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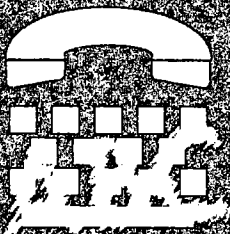
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166pgs

See inside
back cover for a
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TDD/TTY DIRECTORY



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U.S. General Administration
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5

Disabilities Information

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TRICARE
MANAGEMENT
ACTIVITY

OFFICE OF THE ASSISTANT SECRETARY OF DEFENSE
HEALTH AFFAIRS
SKYLINE FIVE, SUITE 810, 5111 LEESBURG PIKE
FALLS CHURCH, VIRGINIA 22041-3206

Ms. Courtland Willman
Executive Office of the President
White House Office
Room 1, OEOP
Washington, DC 20502

Dear Ms. Willman:

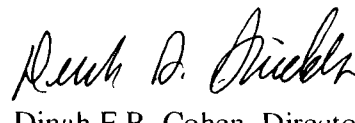
Thank you for your recent inquiry to the Department of Defense (DoD) Computer/Electronic Accommodations Program (CAP). CAP was established to ensure that equal computer and telecommunication access is available to all persons with disabilities employed by the Department of Defense. In addition, CAP provides assistive technology to Department of Defense hospitals, clinics, personnel offices, training centers, and dependent schools. CAP has a team of technical experts on assistive technology and computer systems that are available to help solve DoD accommodation needs.

There is a large array of assistive technology available for persons with hearing, visual, dexterity, cognitive and communication impairments. A few examples of technology include: TTY's and TTY modems for persons with hearing impairments, closed captioning decoders for training videos, assistive listening devices, signaling devices, screen reading software for persons with visual impairments, and augmentative communications devices for persons with communication impairments. Please review the enclosed materials available in order to learn how this equipment increases accessibility for persons with disabilities.

In addition to our staff of program analysts, CAP also operates a Technology Evaluation Center (CAPTEC), in the Pentagon. The purpose of the facility is to provide individuals seeking accommodations the opportunity to explore the various technology that is available through CAP. I invite you and your staff to tour CAPTEC for a hands-on demonstration of assistive technologies.

It would be my pleasure to assist you and your staff in increasing the accessibility of the White House through computer and telecommunication technology. Included in this packet is some more specific information related to the products discussed and the Workforce Recruitment Program. If you find that your staff or facility could use our services please do not hesitate to contact me at (703) 681-3976 or Derek Shields, at (703) 575-0670.

Sincerely,

for 
Dinah F.B. Cohen, Director

Computer/Electronic Accommodations Program

Enclosure(s): As stated



Computer/Electronic
Accommodations Program

DINAH F. B. COHEN, C.R.C.
Director

Department of Defense
5111 Leesburg Pike, Suite 810
Falls Church, VA 22041-3206

V/TTY (703) 681-3976
Fax (703) 681-9075
Dinah.Cohen@tma.osd.mil

CAP

**COMPUTER/ELECTRONIC
ACCOMMODATIONS
PROGRAM**

PHOTOCOPY
PRESERVATION



PHOTOCOPY
RESERVATION



"WORKING WITH YOU TO FIND THE RIGHT SOLUTION"

The Department of Defense (DoD) has a long-standing commitment to providing equal employment opportunities for people with disabilities. DoD's goal is to increase the representation of individuals with disabilities to two percent of its civilian work force. To support this goal, DoD established the Computer/Electronic Accommodations Program (CAP). The CAP Office serves the DoD community by:

- Buying accommodations to make computer and telecommunications systems accessible to employees with disabilities, as required by Public Laws 99-506 and 100-542;
- Funding sign language interpreters, readers, and personal assistants for employees attending long-term training (two days or more);
- Providing expertise in solving accessibility problems through the use of software, hardware, and other assistive technology; and
- Providing training and educational support.

CAP's services make DoD work environments more accessible to DoD employees with visual, hearing, dexterity, and cognitive impairments. Since its inception in October 1990, the CAP Office has provided over 13,000 accommodations throughout the DoD community. CAP's purpose is to ensure that all disabled DoD employees get the equipment that best suits their needs, at no charge to the employer. CAP provides accommodations to ensure that DoD hospitals, clinics, personnel offices, training centers, and dependent schools are accessible. The TRICARE Management Activity, a field activity in the Office of the Assistant Secretary of Defense (Health Affairs), serves as the executive agent for CAP.

The CAP staff is here to assist DoD employees, supervisors, and managers. With the right accommodations, people with disabilities have the power to excel. For additional information, contact the CAP Office:

703-681-8811 (Voice/TTY)



**COMPUTER/ELECTRONIC ACCOMMODATIONS PROGRAM
TRICARE MANAGEMENT ACTIVITY
OFFICE OF THE ASSISTANT SECRETARY OF DEFENSE (HEALTH AFFAIRS)
5111 LEESBURG PIKE, SUITE 810
FALLS CHURCH, VA 22041-3206**



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CAPTEC

What is CAPTEC?

The Computer/Electronic Accommodations Program Technology Evaluation Center (CAPTEC) is a facility dedicated to the evaluation of assistive technology. CAPTEC contains several computer workstations equipped with a wide variety of equipment designed to accommodate persons with disabilities.

Equipment available for evaluation by CAPTEC visitors includes:

- ♦ voice recognition systems for Windows
- ♦ Braille displays that operate in Windows
- ♦ scanners with voice output
- ♦ amplified telephones
- ♦ screen readers
- ♦ teletypewriter (TTY) modems
- ♦ screen magnification software
- ♦ numerous alternative keyboards
- ♦ Braille printers
- ♦ many other accommodations for the work environment

Why Visit CAPTEC?

CAPTEC's mission is to facilitate the process of choosing assistive equipment for people with disabilities. Because of the central Pentagon location and the variety of equipment available, CAPTEC simplifies choosing accommodations. People seeking solutions to accessibility problems can visit CAPTEC to see the types of equipment available, compare different solutions, and ensure that assistive equipment will be compatible with their current automated environment.

Using CAPTEC for Solutions

CAPTEC is open to all employees with disabilities and their managers in DoD and other Federal agencies. CAPTEC is located in the Pentagon, Room 2A259. To schedule a CAPTEC visit, call 703-693-5160 (Voice), 703-693-6189 (TTY), or 703-681-8811 (V/TTY). Operating hours are Monday through Thursday, from 9:00 a.m. to 3:00 p.m.



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CONSIDERATIONS FOR ACCOMMODATING PERSONS WITH DISABILITIES

Choosing appropriate accommodations is best done on a case-by-case basis. It is important to recognize that individuals with disabilities have different capabilities and varying degrees of disabling conditions. Accommodation needs must be evaluated in light of an individual's job responsibilities and technical environment (e.g., workstation configuration). For employees with disabilities and their supervisors, selecting accommodations can be challenging.

A needs assessment should be conducted to identify accommodations suitable to an individual's specific situation. It is very important to select the right team of people to conduct a needs assessment. **Employees with disabilities and their supervisors should always be involved.** Others who may make valuable contributions include personnel from human resources, computer support services, occupational safety, procurement, facilities management, and state and community organizations.

A needs assessment should address the following questions:

- | | |
|-------------------|---|
| JOB | <ul style="list-style-type: none">■ What are the essential job requirements?■ What skills (physical and cognitive) are required for job performance? |
| INDIVIDUAL | <ul style="list-style-type: none">■ What are the individual's functional limitations to performing the job requirements?■ Are there alternate approaches to accomplishing the essential job requirements? |
| SOLUTIONS | <ul style="list-style-type: none">■ What accommodations, compatible with workstation, computer, and telecommunications systems, are available to meet the individual's needs? (See attached resource list for assistance in this area.)■ Which alternative approach or accommodation is most suitable for the individual in the specific work environment? |

CAP is here to assist in obtaining appropriate accommodations to provide access to computer or telecommunication systems.



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ACCOMMODATIONS FOR INDIVIDUALS WHO ARE DEAF OR HARD OF HEARING

Teletypewriters (TTYs): TTYs provide telephone access to people with hearing or speech impairments by allowing them to type and read messages on a typewriter-like device that is connected to a phone line. Some TTYs have answering machine functions and are compatible with PC modems. TTYs are available in desk and pocket sizes.

TTY Modems: TTY modems allow computers to emulate TTYs to communicate with other TTYs and computers. TTY software provides users a full-screen view of TTY conversations and the ability to retrieve TTY messages from remote locations.

Amplification Devices: FM, infrared, and loop assistive listening devices make conference rooms and auditoriums accessible for hard of hearing individuals. Telephone amplification devices are also available.

Closed Caption Decoders and Captioning for Training Tapes: Captioning is necessary to make training videos and television broadcasts accessible. Equipment is available that can encode captions onto videotapes or can display closed captions. Financial support is also available for captioning videotapes.

Signaling Devices: Visual or vibrating signaling devices can be provided to indicate environmental auditory signals, such as telephone rings or computer beeps.

For additional information call the CAP office (703) 681-8811 (Voice/TTY)
or write to:



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ACCOMMODATIONS FOR INDIVIDUALS WITH VISUAL IMPAIRMENTS

Scanner/Readers: A scanner/reader converts typewritten or typeset material into clearly spoken synthesized speech. Text can be read immediately, stored on computer disk, saved into a word processing application, or prepared for Braille production.

Screen Readers: Screen reading software operates a speech synthesizer, which voices the contents of a computer screen. Screen readers are compatible with word processing, spreadsheet, and database packages and can be used in conjunction with screen enlargement products.

Print Enlargers: These devices enlarge the contents of a computer screen or, by using a closed circuit television (CCTV), enlarge printed material, handwritten information, diagrams, and even wired circuitry. Images can be enlarged 4 to 60 times. The user controls print size, color contrast, and color selection.

Braille Displays: Braille displays provide Braille output of computer screens. The "refreshable" Braille appears one line at a time. These displays are compatible with word processing, database, and spreadsheet applications.

Portable Notetakers: Notetakers contain up to 640K of memory, operate comfortably on a desk or in your lap, can store more than 1,000 pages, and have built-in speech synthesizers that clearly speak text that is stored in memory. Notes can be edited, stored in text files, sent to a printer, downloaded to a computer, or uploaded from a computer. Notetakers are available with a standard seven key Braille keyboard or a standard keyboard.

Braille Embossers: Braille embossers produce hard copy Braille output from a computer. Embossers are used in conjunction with Braille translators, which control formatting and type of Braille produced. Braille embossers print from 20 to 50 characters per second.

For additional information call the CAP office (703) 681-8811 (Voice/TTY)
or write to:



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ACCOMMODATIONS FOR INDIVIDUALS WITH DEXTERITY IMPAIRMENTS

Voice Recognition Systems: Voice recognition systems allow users to "type" by using voice alone or in conjunction with the mouse or keyboard. These systems provide users with the capability to create text and operate a computer simply by speaking. These systems learn the user's voice and speaking style. Because the system learns the user's voice, it can accommodate individuals with accents and speech impairments. Voice recognition systems allow users who cannot type to create memos, reports, and spreadsheets by speaking instead of typing.

Alternative Keyboards: Alternative keyboards can facilitate the use of personal computers. Miniature keyboards are available specifically for mouth stick users or one-handed typists. Ergonomic keyboards conform to the shape and movements of the wrists and hands. Ergonomic keyboards reduce the stress that contributes to Repetitive Stress Injuries (RSI) such as Carpal Tunnel Syndrome (CTS) and Cumulative Trauma Disorders (CTD).

Keyboard Enhancement Programs: Keyboard enhancement program software packages increase speed and improve accuracy of typing. Users reduce the number of required keystrokes by customizing their keyboard with macros and word prediction software. Keyboard enhancement programs work with every software program; including WordPerfect, dBase, Lotus 1-2-3, MS-DOS, and Windows.

Alternative Pointing Devices: Numerous products are available for use by persons who cannot use a standard mouse. Trackballs, ergonomically-designed mice, and touch-sensitive pads are substitute pointing devices.

Alternative Input Systems: These systems allow users to "type" by pointing a lightweight device at the computer monitor. The pointing device can be mounted on the user's head, elbow, wrist, or other part of the body. A keyboard image is displayed on the screen and keys are selected by pointing at the screen. These systems work with many software application packages.

For additional information call the CAP office
(703) 681-8811 (Voice/TTY) or write to:



**COMPUTER/ELECTRONIC ACCOMMODATIONS PROGRAM
TRICARE MANAGEMENT ACTIVITY
OFFICE OF THE ASSISTANT SECRETARY OF DEFENSE (HEALTH AFFAIRS)
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TRAINING SUPPORT PROVIDED TO INDIVIDUALS WITH DISABILITIES

Listed below are descriptions of services available through the CAP office to support long term training (two days or more) for individuals with disabilities. The service requester is responsible for arranging the services of the interpreter, reader, or assistant and should submit a Request Form to the CAP office four weeks prior to the beginning of the training session.

Sign Language Interpreters: CAP will cover the costs of sign language interpreters for individuals with hearing impairments who must attend long term training classes.

Readers: To support training for individuals with visual impairments, CAP will fund readers to assist during long term training sessions.

Personal Assistants: CAP will provide financial resources for personal assistants to support training requirements of individuals with mobility impairments. Personal assistants will be provided for class/training session times only. Requests must indicate the service provider.

Training: CAP will cover costs of training to help employees with disabilities learn to use assistive equipment for access to computer and telecommunication systems. (The two day minimum requirement does not apply to this type of training.)

For additional information call the CAP office (703) 681-8811 (Voice/TTY)
or write to:



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INFORMATION RESOURCES

for Reasonable Accommodations

The following resources are available to assist in conducting needs assessments. Those with an asterisk (*) will provide telephone consultations at no charge.

RESOURCES	PHONE
DoD Computer/Electronic Accommodations Program (CAP) Office*	703-681-8811 (Voice/TTY) Web: www.ha.osd.mil/hpcap2.html E-mail: cap@tma.osd.mil
GSA's Center on Information Technology Accommodation (CITA)*	202-501-4906 (Voice) 202-501-2010 (TTY) Web: www.gsa.gov/coca/ BBS: 202-219-0132
President's Committee on Employment of People with Disabilities (PCEPD): ADA brochures, fact sheets, and other publications	202-376-6200 (Voice) 202-376-6205 (TTY) Web: www.pcepd.gov E-mail: info@pcepd.gov
PCEPD's Job Accommodations Network (JAN)*	1-800-526-7234 (Voice/TTY) 1-800-ADA-WORK (Voice/TTY) Web: www.jan.wvu.edu/english/homeus/htm
USDA's Technology Accessible Resources Give Employment Today (TARGET) Center	202-720-2600 (Voice/TTY) Web: www.net.usda.gov/oo/accessible.html E-mail: target-center@usda.gov
Veterans Affairs Information Technology Center (ITC)	202-273-6542 (Voice) E-mail: sboaz@mail.va.gov
State Vocational Rehabilitation Agencies	see local directory



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INFORMATION REQUEST FORM

Name: _____

Title: _____

Organization: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____

DSN (if appropriate): _____

Check here to be added to the CAP mailing list _____

To receive additional copies of CAP information, check below:

(Indicate quantity required.)

- CAP Information Packet: _____
(includes general information, brochure, and request form*)
- Additional CAP Brochures: _____ CAP Poster: _____
- CAP Video "The Power to Excel": VHS _____

*photocopies of request form accepted by CAP office



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OFFICE OF THE ASSISTANT SECRETARY OF DEFENSE (HEALTH AFFAIRS)
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FALLS CHURCH, VA 22041-3206



TECHNOLOGY EVALUATION CENTER

CAP's Technology Evaluation Center (CAPTEC) is a facility dedicated to the evaluation of assistive technology. It was established to assist DoD supervisors and employees in choosing appropriate assistive devices for creating work environments that are accessible to persons with disabilities.

CAPTEC consists of several computer workstations configured with a wide variety of assistive technology. People in the process of acquiring assistive equipment who have questions about compatibility, function, or who need to compare several solutions may visit CAPTEC to conduct evaluations. Also, the CAP staff conducts evaluations on behalf of individuals.

Contact CAPTEC at 703-693-5160 (Voice) or 703-693-6189 (TTY).

STEPS TO ACQUIRING ACCOMMODATIONS THROUGH CAP

1. Conduct a needs assessment to ascertain what functions need to be provided by an accommodation.
2. Research available options by talking to: the person to be accommodated, the supervisor or manager, ADP personnel, and the CAP office.
3. Select the most suitable option for the environment in which the accommodation will be used.
4. Complete and mail a CAP Request Form.

The CAP office reviews the Request Form and, if everything is satisfactory, begins the acquisition process to obtain the accommodation.

For more information call or write:



CAP
COMPUTER/ELECTRONIC
ACCOMMODATIONS
PROGRAM

Computer/Electronic Accommodations Program
TRICARE Management Activity
Office of the Assistant Secretary of Defense
(Health Affairs)
5111 Leesburg Pike, Suite 810
Falls Church, VA 22041-3206

Phone: (703) 681-8811 (Voice/TTY)
DSN: 761-8811 (Voice/TTY)
FAX: (703) 681-9075
E-Mail: cap@tma.osd.mil
WWW: <http://www.ha.osd.mil/hpcap2.html>

THE POWER TO EXCEL



CAP
COMPUTER/ELECTRONIC
ACCOMMODATIONS
PROGRAM



BREAKING BARRIERS

In today's competitive marketplace, skilled employees are a precious asset. The Department of Defense (DoD) is constantly searching for talented personnel. DoD has found that people with disabilities, who have the right accommodations, are all-star players on the Defense team.

DoD established the Computer/Electronic Accommodations Program (CAP) to bring down barriers faced by employees with disabilities. CAP encourages recruiting, hiring, and promoting people with disabilities by providing assistive office equipment to DoD employees with disabilities.

Using assistive equipment, employees may be able to perform additional assignments or perform current tasks more efficiently. Assistive devices may complement the skills and abilities of employees, improving their opportunities for advancement and increasing their job satisfaction.

CAP serves DoD employees with disabilities, their supervisors, and others who need access to DoD services. Also by providing accommodations, CAP assists DoD activities in complying with Public Laws 99-506 and 100-542, which require computer and telecommunications systems to be accessible.

CAP PROVIDES ASSISTIVE EQUIPMENT

DoD components can turn to CAP for:

- Assistive hardware, software, and equipment.
- Assistance in selecting appropriate assistive devices.
- Funds to procure accommodations.



CAP PROVIDES SERVICES

Other ways in which CAP serves DoD employees with disabilities include:

- Providing funds to pay for sign language interpreters, personal assistants, or readers to assist employees with disabilities who attend long-term training sessions (three days or more).
- Training employees on the use of their assistive equipment.
- Making recommendations about creating accessible electronic environments.
- Making presentations to educate interested parties about CAP's services and about other disability issues.

THE TECHNOLOGY

CAP provides a wide variety of assistive devices. The following types of devices, categorized by the disability that they generally serve, are some of the current popular solutions to accessibility problems.

HEARING IMPAIRMENTS

Telecommunications devices for the deaf (TDDs), telephone amplifiers, assistive listening systems, closed caption decoders, and visual signalling devices.

VISUAL IMPAIRMENTS

Print enlargers, verbal and braille output systems, braille embossers, and braille notetakers.

DEXTERITY IMPAIRMENTS

Voice activated computers and other equipment, word prediction software, enlarged or miniaturized keyboards, head controlled systems, and keyguards.

LEARNING DISABILITIES

Equipment that highlights and pronounces words on a computer screen.

COMMUNICATION DISABILITIES

Electronic communication aids and speech output systems to augment communication.

With technology advancing rapidly, new products are constantly becoming available. CAP will work with you to create accessible work environments. With the right accommodations, people with disabilities have more power to excel.

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HEALTH AFFAIRS

CAP

COMPUTER/ELECTRONIC ACCOMMODATIONS PROGRAM



Summer 1998 News Bulletin

On-line @ <<http://www.ha.osd.mil/hpcap2.html>>
Available on disk or in Braille upon request

CAP: DSN 761-8812 or 703-681-8812 (V/TTY)
703-681-9075 (FAX) cap@tma.osd.mil (Email)

The Computer/Electronic Accommodations Program (CAP) provides accommodations to increase accessibility for persons with disabilities throughout the Department of Defense. CAP is part of the TRICARE Management Activity within the Office of the Assistant Secretary of Defense (Health Affairs).

FOCUS ON ERGONOMICS IN THE WORKPLACE

With the impact of ergonomic issues effecting productivity in the workplace, the Computer/Electronic Accommodations Program (CAP) hosted the semi-annual DoD Ergonomics Working Group Meeting held April 21-23 1998. This group was established by the Deputy Under Secretary of Defense (Environmental Security) and is sponsored by the U.S. Army Center for Health Promotion and Preventive Medicine (USACHPPM). It serves as technical advisor to DoD components through the DoD Safety and Occupational Health Committee and partner with other Government agencies regarding the safety and health aspects of work-related musculoskeletal disorders. The group membership consists of occupational safety and health representatives as well as health care providers from the Army, Air Force, Navy, Marines, Army National Guard, Air Force National Guard, Defense Agencies and General Services Administration. Group personnel are functional experts in workplace measurement, health effects, education, training and ergonomic equipment. CAP personnel participates in this group as it is an excellent resource for providing effective service to customers.

This CAP-hosted meeting of the DoD Ergonomic Working Group shared information on the development of ergonomic standards to prevent work-related musculoskeletal injuries and illnesses and exchanged information on the technical aspects of ergonomics and DoD resources available for recognition, evaluation and control of hazards associated with work-related musculoskeletal injuries. This group will meet again in November 1998.

CAPTEC EXPANDS

During April, the Pentagon Renovation team began refurbishing the area in which the CAP Technology Evaluation Center (CAPTEC) is located. While a more spacious, visible, and accessible center was built fifty feet further into corridor two, CAPTEC continued to receive visitors through a small temporary corridor during most operating hours.

CAPTEC, originally opened in August 1995, by former Secretary of Defense William J. Perry, is now fully renovated and has expanded from four to five workstations focusing on various access technologies surrounded by assistive technology equipment. One



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Program Summary

The Computer/Electronic Accommodations Program (CAP), a program in the TRICARE Management Activity, Office of the Assistant Secretary of Defense (Health Affairs), was established in 1990 as the centrally funded Department of Defense (DoD) program that provides assistive technology to allow DoD employees with disabilities to access computer and telecommunication systems. CAP's services for individuals with visual, hearing, dexterity and cognitive disabilities provide assistive equipment that is appropriate for each individual's specific situation, taking into account functional capabilities and computer compatibility. CAP also funds sign language interpreters, readers, and personal assistants for DoD employees in training classes. By providing equipment and services at no charge to the employer, CAP assists DoD in its commitment to serve any employee who has or who develops a disabling condition, and to ensure that DoD hospitals, clinics, personnel offices, training centers, and dependent schools are accessible.

Program Features

On August of 1995, the Honorable William Perry, former Secretary of Defense, served as the keynote speaker and opened the CAP Technology Evaluation Center (CAPTEC) at the Pentagon. The CAPTEC has a wide variety of assistive devices available for demonstration and evaluation. Employees and supervisors who are searching for appropriate accommodations can visit CAPTEC and get hands-on experience with various equipment options.

The DoD co-sponsors with the President's Committee on Employment of People with Disabilities (PCEPD) the Workforce Recruitment Program for College Students with Disabilities. This recruitment and referral network provides a systematic review of applications for individuals with disabilities who are students or recent graduates of colleges or universities. The CAP lends federal agencies assistive equipment to accommodate individuals placed through this program.

As work-related injuries continue to disable employees and decrease productivity, CAP has aligned with DoD and Federal programs to offer prevention and accommodation services. Via education workshops, information dissemination, and accommodations for employees with dexterity disabilities, CAP's proactive approach to disability management offers employers assistance in addressing this growing health concern. By teaming with Workers' Compensation officials, CAP assists employees in their return-to-work process. Furthermore, CAP participates in the Flexiplace program, which allows employees to work part or all the day at home or at another offsite location. CAP can assist DoD managers in implementing Flexiplace through providing workstations and assistive equipment for flexiplace participants with disabilities to use at their home work sites.

Detailed information about these program features and other CAP initiatives are highlighted on the CAP WWW site: <http://www.ha.osd.mil/hpcap2.html>.



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HOW CAN YOU PARTICIPATE?

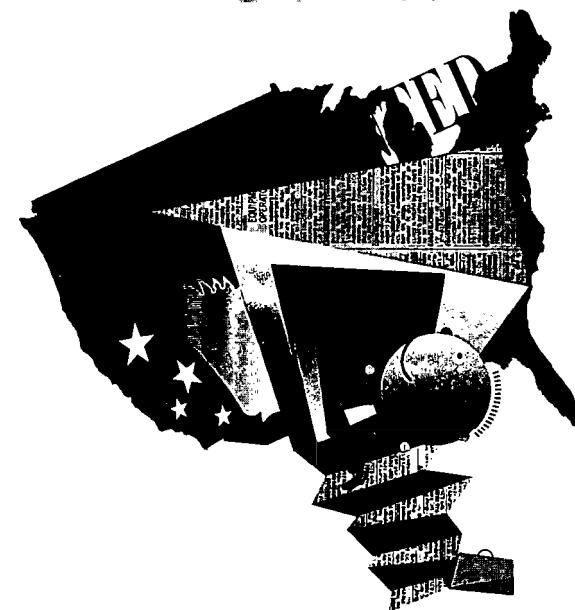
- ♦ If you are a college coordinator for disability services or career services, contact the WRP Coordinator at the President's Committee on Employment of People with Disabilities at 1331 F Street, NW, Third Floor, Washington, DC 20004; (202) 376-6200 Voice;



(202) 376-6205 TTY;
(202) 376-6219 Fax;
info@pcepd.gov E-mail.

- ♦ If you are an eligible student, share this brochure with your school's disability services or career services coordinator, and ask him or her to contact the WRP Coordinator. Please understand that we work directly with college coordinators, and cannot respond to inquiries from individual students.

WORKFORCE RECRUITMENT PROGRAM



This publication is available in
alternate formats upon request.

WHAT IS THE WORKFORCE RECRUITMENT PROGRAM?



The Workforce Recruitment Program for College Students with Disabilities (WRP) is a resource to connect public and private sector employers nationwide with highly motivated postsecondary students and recent graduates with disabilities who are eager to prove their abilities in the workforce. Employers seek to fill both temporary and permanent positions in a variety of fields.

Myths, stereotypes, and misconceptions about people with disabilities often stand in the way when people with disabilities look for jobs, resulting in a high rate of unemployment. Statistics show that people with disabilities from minority backgrounds encounter even greater difficulty in obtaining work. The WRP aims to eliminate this workplace discrimination one student, one employer, and one job at a time.

WHO IS ELIGIBLE TO PARTICIPATE IN THE WRP?

An applicant for the program must

- ◆ have a substantial disability
- ◆ be a United States citizen
- ◆ be enrolled in an accredited two-year or four-year college or university, or a graduate or professional school, as a degree-seeking student taking at least a half-time course load OR
- ◆ be enrolled in such an institution as a degree-seeking student taking less than a half-time course load in the enrollment period immediately prior to graduation OR
- ◆ have graduated from such an institution within the past six months

WHAT DOES THE WRP OFFER TO COLLEGES AND UNIVERSITIES?

The WRP provides a unique opportunity for colleges and universities to

- ◆ tap into a system that has been successfully placing students with disabilities in summer and permanent jobs in the public and private sectors for several years, at no cost to the school, the student, or the employer
- ◆ bring together the resources of their disability services and career services offices to promote more effectively the job seeking skills and career readiness of their students with disabilities
- ◆ provide their students with disabilities a chance to grow personally and professionally through participation in this nationwide program

WHAT DOES THE WRP OFFER TO ELIGIBLE STUDENTS?

The WRP is an excellent way for students with disabilities in all fields of study to

- ◆ market their abilities to a wide variety of potential employers across the United States
- ◆ sharpen their interviewing skills during a required one-on-one meeting with a WRP recruiter
- ◆ gain valuable skills, experience, and contacts on the job
- ◆ prove that people with disabilities can be excellent employees

HOW DOES THE PROGRAM WORK?

The WRP operates on the following timeline:

- ◆ By October 31, the schedule of recruitment visits to schools is confirmed.
- ◆ From late January through the end of February, recruitment visits, which include 30-minute personal interviews with individual students, are conducted.
- ◆ By late March, a data base composed of student information gathered during recruitment visits is made available to employers in the public and private sectors.
- ◆ Once the data base is released, interested employers make direct contact with students about temporary and permanent job offers. The data base is active for one year.



.....

The WRP is co-sponsored by the President's Committee on Employment of People with Disabilities and the Department of Defense, with support from other federal agencies.

WORKFORCE RECRUITMENT PROGRAM FOR COLLEGE STUDENTS WITH DISABILITIES

Co-Sponsored by the President's Committee on Employment of People with Disabilities
and the Department of Defense

1331 F Street, N.W., Third Floor, Washington, D.C. 20004-1107

What Is the Workforce Recruitment Program?

The Workforce Recruitment Program for College Students with Disabilities (WRP) is a resource for employers nationwide to identify qualified temporary and permanent employees from a variety of fields. Applicants are highly motivated postsecondary students and recent graduates eager to prove their abilities in the workforce.

What Does the Program Offer Employers?

- Job candidates pre-screened through face-to-face interviews
- Information about each applicant's qualifications
- Referral pools tailored to specific job requirements
- Access to candidates across the nation, by state or by school
- Flexibility in hiring for summer internships or permanent positions
- Opportunity to evaluate summer interns for permanent staffing needs
- Freedom to conduct independent interviews after referrals are made

What Can Summer Interns Do for You?

- Undertake special projects postponed for lack of time or resources
- Assist permanent staff with key projects
- Share specialized knowledge and innovative technical skills
- Assume responsibilities of staff on vacation or leave of absence
- Prove that qualified people with disabilities make excellent employees
- Contribute in a wide variety of areas, including business, communications, engineering, science, computer science and administrative support

How Does the Program Work?

Trained recruiters from federal agencies conduct personal interviews with interested students on college and university campuses. Student information is compiled in a database that is provided to all participating agencies. Interested managers can contact the representative in their agency for information on applicants in the database.

Workforce Recruitment Program for College Students with Disabilities

Points of Contact

As of April 14, 1998

Defense Contract Audit Agency

Mr. Bill McFadden
Computer Specialist
Defense Contract Audit Agency
8725 John J. Kingman Road
Fort Belvoir, Virginia 22060-6221

Phone: (703) 767-2252
Fax: (703) 767-1070
E-mail: bmcfadden@hqldcaa.mil

Defense Finance and Accounting Service

Ms. Ellen Y. Eaton
Equal Employment Opportunity Specialist
DFAS, Crystal Mall #3, Room 326A
1931 Jefferson Davis Highway
Arlington, Virginia 22240-5291

Phone: (703) 607-5135
Fax: (703) 607-0318
E-mail: eeaton@cleveland.dfas.mil

Defense Information Systems Agency

Ms. Beth Helmer
Personnel Staffing Specialist
Defense Information Systems Agency
701 S. Courthouse Road
Arlington, Virginia 22204-2199

Phone: (703) 607-4436
Fax: (703) 607-4530
E-mail: helmerb@ncr.disa.mil

Defense Intelligence Agency

Ms. Dee Willner
Affirmative Employment Recruiter
Defense Intelligence Agency
Diversity Management Office
Building 6000
Bolling Air Force Base
Washington, D.C. 20340-3375

Phone: (202) 231-3911
Fax: (202) 231-3865

Defense Investigative Service

Ms. Lori A. Simmons
Equal Opportunity Specialist
Defense Investigative Service
Attn: V0050
1340 Braddock Place
Alexandria, Virginia 22314-1651

Phone: voice (703) 325-5344 or TTY (703)
617-7108

Fax: (703) 325-0715
E-mail: lsimmons@smtpgate.dis.mil

Defense Logistics Agency

Mr. Lennon Baccus
Defense Logistics Agency
Equal Opportunity Office
Attn: CAAH, Room 1119
8725 John J. Kingman Road
Fort Belvoir, Virginia 22060-6221

Phone: (703) 767-1113 or 1100
Fax: (703) 767-1110
E-mail: lennon_baccus@hq.dla.mil

Defense Special Weapons Agency

Ms. Carol Silverthorn
Defense Special Weapons Agency
Attn: CVHR
6801 Telegraph Road
Alexandria, Virginia 22310-3398

Phone: (703) 325-7000
Fax: (703) 325-6295
E-mail: silverthorn@hq.dswa.mil

Department of Agriculture

Ms. Terry S. Thir
Disability Employment Program Manager
Department of Agriculture
Office of Civil Rights
14th & Independence Avenue, S.W.
Room 1370-S
Washington, D.C. 20250

Phone: (202) 720-2531 voice or (202) 720-8372 TTY
Fax: (202) 690-2345
E-mail: terry.thir@usda.gov

Department of Commerce

Ms. Helen D. Mitchell
Department of Commerce
Office of Civil Rights
Room 6010
14th & Constitution Avenue, N.W.
Washington, D.C. 20230

Phone: (202) 482-5691 (voice or TTY)
Fax: (202) 482-5375

Department of Defense

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Disability Program Manager
Department of Defense
OUSD(P&R)(FMP)(EO)
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Department of Defense Education Activity

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Department of Education

Ms. Jennifer C. Mechem
Section 504/Disability Policy Coordinator
Department of Education
Office of Management
600 Independence Avenue, S.W., Room
2468
Washington, D.C. 20202

Phone: (202) 401-3586 or TTY (202) 401-
3582

Fax: (202) 205-5760

E-mail: jennifer_mechem@ed.gov

Department of Health and Human Services

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Special Emphasis Program Manager
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Humphrey Building 536E
200 Independence Avenue, S.W.
Washington, D.C. 20201

Phone: (202) 690-7848

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E-mail: biba@os.dhhs.gov

Department of Justice

Mr. Michael Moran
Executive Office of US Attorneys
600 E Street, NW
Room 2300
Washington, D.C. 20530

Phone: (202) 514-3982

Fax: (202) 305-1431

Department of Labor

Mr. Charles Gonzalez
Career MAP Center
Department of Labor
200 Constitution Avenue, N.W., Room N-
5460
Washington, D.C. 20210

Phone: (202) 219-0118

Fax: (202) 219-8127

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Department of State

Ms. Veda T. Engel
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Recruitment Division
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Arlington, Virginia 22219

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E-mail: engelvt@perreewpoa.us-state.gov

Department of the Air Force

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11th Wing Civilian Personnel
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E-mail: mjwilson@mail.bolling.af.mil

Department of the Army

Ms. Gail J. Wire
Director, Program for Individuals with
Disabilities
Department of the Army
Equal Employment Opportunity Agency
CM4, Suite 207
1941 Jefferson Davis Highway
Arlington, Virginia 22202-4508

Phone: (703) 607-2339
Fax: (703) 607-2042
E-mail: wiregj@hqda.army.mil

Department of the Interior

Mr. Robert Buechner
Office of National Service and Educational
Partnerships
Department of the Interior
Mail Stop 5251
1849 C Street, N.W.
Washington, D.C. 20240

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E-mail: robert_buechner@ios.doi.gov

Department of the Navy

Mr. Henry J. Ford
Office of the Deputy Assistant Secretary of
the Navy (Civilian Personnel/Equal
Opportunity Policy)
Code: PDDD DP2
800 North Quincy Street, Room 1214
Arlington, Virginia 22203-1998

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Fax: (703) 696-6292
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Department of the Treasury

Mr. Jorge E. Ponce
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Department of Veterans Affairs

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**DoD Computer/Electronic
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Environmental Protection Agency

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**Equal Employment Opportunity
Commission**

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National Imagery and Mapping Agency

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National Security Agency

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Office of the Architect of the Capitol

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E-mail: none

Office of the DoD Inspector General

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President's Committee on Employment of People with Disabilities

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Uniformed Services University of the Health Sciences

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Washington Headquarters Services/Office of the Secretary of Defense

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CAP Office Use Only

Beneficiary ID #:	_____	☐ Workers' Comp	☐ Flexiplace
Request Received:	_____	☐ DoDDS	☐ Section 6
Request Ordered:	_____	☐ MTF	☐ Train/Lm Ctrs
Billed Date:	_____	☐ EFMP	
Order #:	_____		
Item Description:	_____		

**DEPARTMENT OF DEFENSE
COMPUTER/ELECTRONIC ACCOMMODATIONS PROGRAM
REQUEST FORM**

Complete this form to request accommodations for employees with disabilities. Mail to:

**DoD Computer/Electronic Accommodations Program Office
TRICARE Management Activity, OASD (HA)
5111 Leesburg Pike, Five Skyline Place, Suite 810
Falls Church, VA 22041-3206**

A SEPARATE request form must be submitted for EACH accommodation requested. Please respond to all questions on this form. Mark questions that do not apply "NA."

1. REQUESTING ORGANIZATION: ☐ Army ☐ Navy ☐ Air Force
☐ DoD Agency (please specify): _____
☐ Non-DoD Agency (please specify): _____

2. NAME OF PERSON, OFFICE, SCHOOL, OR HOSPITAL TO BE ACCOMMODATED: _____

ADDRESS: (Please type in full - No acronyms)

Agency Name: _____

Office Symbol: _____

Full Address: _____

City, State, Zip: _____

Telephone #: (____) _____ DSN #: _____

Fax #: (____) _____ E-Mail: _____

3. IDENTIFY DISABILITY: ☐ Deaf/Hard of Hearing ☐ Blind/Low-Vision ☐ Dexterity

Check if request is: Workers' Compensation ☐ or Flexiplace ☐ or N/A ☐

4. GRADE LEVEL _____ OCCUPATIONAL SERIES _____

5. NUMBER OF YEARS EMPLOYED BY DEPARTMENT OF DEFENSE:

☐ New Employee ☐ 1-5 Years ☐ More than 5 years

If you are requesting an item (specific product), please complete Page 1 and Page 2.

If you are requesting a service (interpreter, personal assistant, or reader), please complete Page 1 and Page 3.

Original signature must be obtained, therefore, please do not fax us your Request Form. If you have any questions regarding CAP, please call the office at 703-681-8811 (Voice) or 703-681-3978 (TTY)

* * *

EQUIPMENT

* * *

6. **ITEM REQUESTED:** Include brand name and model, if known. Attach vendor information or brochures, if available. NOTE: A specific brand may not be available.
- _____
- _____
7. **JUSTIFICATION:** Please explain how the accommodation (s) requested in Question #6 will benefit you and your job performance.
8. **IS TRAINING REQUIRED FOR ACCOMMODATION REQUESTED?** [] Yes [] No
9. **DOCUMENTATION FORMAT:** [] large print [] tape [] Braille [] diskette [] standard
10. **USER'S CURRENT ADP EQUIPMENT/OPERATING SYSTEM (Win 95, Win NT, etc.):**
Please describe any hardware, software, and assistive technology being used. This information is used to handle compatibility questions.

**NOTE: EQUIPMENT MAINTENANCE BEYOND INITIAL WARRANTY PERIOD
AND ADDITIONAL SUPPLIES AFTER RECEIPT OF EQUIPMENT ARE THE
RESPONSIBILITIES OF THE RECEIVING AGENCY/ORGANIZATION.**

11. **POINT OF CONTACT FOR THIS REQUEST (IF DIFFERENT FROM THE INFORMATION
SUPPLIED IN QUESTION #2):**

Name: _____ Date: _____

Telephone #: (____) _____ DSN #: _____

Fax #: (____) _____ E-Mail: _____

Signature: _____

12. **SUPERVISOR APPROVAL.** Approval is required from requester's supervisor. Signature certifies that accommodation is for the use of an employee of the Department of Defense, and that the accommodation is necessary to accomplish an essential job requirement. Signature verifies that you understand that the item requested becomes the property of your activity.

Name: _____ Date: _____

Title: _____ Telephone #: (____) _____

Signature: _____ E-Mail: _____

*** * * FUNDED SERVICE * * ***

6. TYPE OF TRAINING ☐ READER ☐ PERSONAL ASSISTANT
ACCOMMODATION: ☐ INTERPRETER ☐ COMPUTER-AIDED NOTAKING

NOTE: Training sessions must last two or more days in order to request services.
Please submit request at least 30 days prior to the start of the class. Please
complete both 6A and 6B before submitting request.

A. INFORMATION TRAINING SESSION:

TRAINING/COURSE TITLE: _____

COURSE LOCATION: _____

COURSE DATES: _____

B. INFORMATION ON SERVICE PROVIDER (INTERPRETERS, READERS, ETC):

SERVICE PROVIDER NAME/ADDRESS: _____

SERVICE PROVIDER TELEPHONE #: (____) _____

SERVICE PROVIDER COST/QUOTE: _____

SERVICE PROVIDER ACCEPTS CREDIT CARD PAYMENT? YES _____ NO _____

7. POINT OF CONTACT FOR THIS REQUEST (IF DIFFERENT FROM THE INFORMATION SUPPLIED IN QUESTION #2):

Name: _____ Date: _____

Telephone #: (____) _____ DSN #: _____

Fax #: (____) _____ E-Mail: _____

Signature: _____

8. SUPERVISOR APPROVAL. Approval is required from requester's supervisor. Signature certifies that accommodation is for the use of an employee of the Department of Defense, and that the accommodation is necessary to accomplish an essential job requirement. Signature verifies that you understand that the item requested becomes the property of your activity.

Name: _____ Date: _____

Title: _____ Telephone #: (____) _____

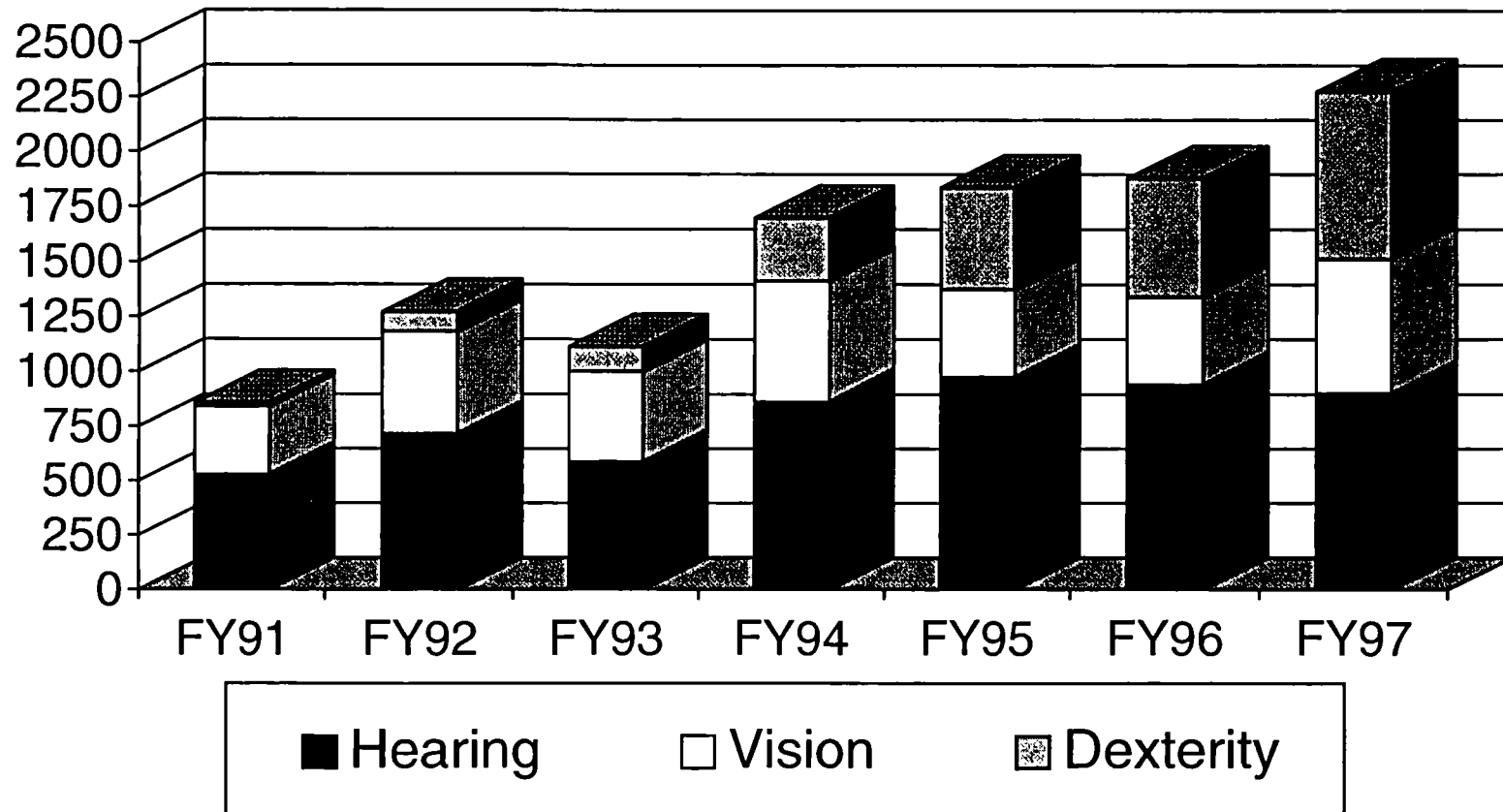
Signature: _____ E-Mail: _____



HEALTH AFFAIRS

CAP Accommodations

FY 91 - FY 97



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TTYs

Divider Title: _____

TELETYPEWRITERS (TTYs)

TTY MODEMS

TTY's provide telephone access to people with hearing or speech impairments by allowing them to type and read messages on a typewriter-like device that is connected to a phone line.

TTY modems allow computers to emulate TTYs to communicate with other TTYs and computers.

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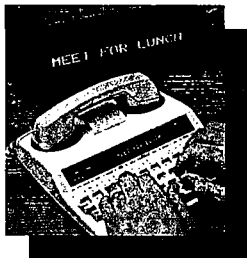
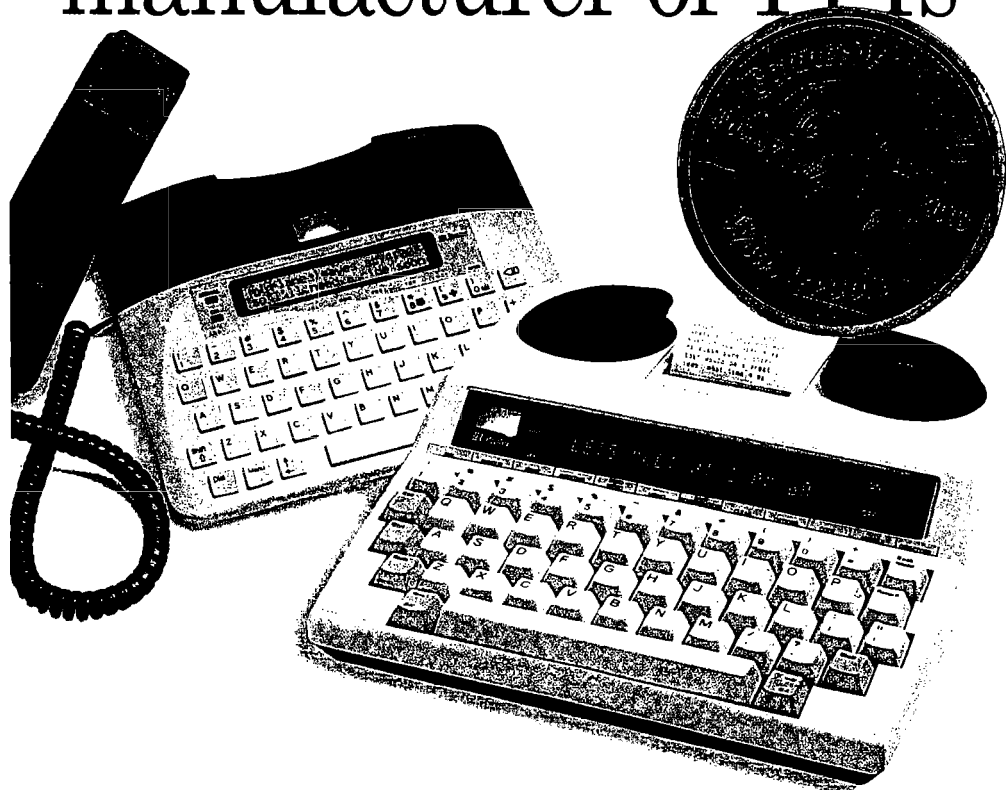
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ultratec TTYs
The world's leading manufacturer
of TTY's

21pgs

U L T R A T E C T T Y S

The world's leading
manufacturer of TTYs



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ULTRATEC UNIPHONE

Turbo
Code™

Uniphone 1140™

Combination TTY, telephone, and
amplified handset – all in one!



Ultratec

The Telephone for Everyone

Now with 10 speed-dial numbers, convenient emergency dial
keys, a personalized auto-answer greeting, and more!

Uniphone 1140™

The most advanced Uniphone with these deluxe features:

VOICE CARRY OVER

- Perfect for making Voice Carry Over (VCO) calls
- You speak directly to the other person & read their typed response on the display
- VCO calls can be made through toll-free relay service or directly between Uniphone users for absolute privacy
- One-touch VCO request key for VCO calls through relay

AMPLIFICATION

- Amplified handset increases volume up to 20dB
- Adjustable ringer volume (off, low, high)
- Hearing aid compatible handset

TELECOMMUNICATIONS

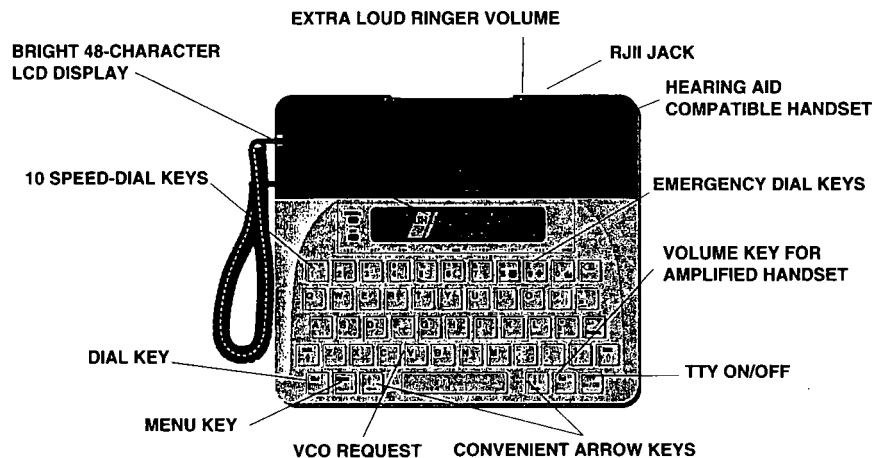
- Turbo Code™ (enhanced TTY protocol) for "real-time" conversations
- Baudot code (traditional TTY code)
- Interrupt capability in Baudot & Turbo Code
- Auto ID™ automatically alerts emergency services (and *everyone* you call) that you are calling by TTY
- On-line help
- FCC/DOC approval

AUTO-ANSWER

- Records TTY messages for you when you are unavailable
- Stores messages in memory or prints messages if connected to an external printer
- Programmable auto-answer message

MEMORY

- 8k memory stores TTY conversations & auto-answer messages
- 10 memory locations for speed-dial numbers, including special emergency number keys
- Lets you customize a personal greeting message for TTY calls



KEYBOARD

- 4-row keyboard
- 52 easy-touch keys
- 10 speed-dial keys
- Specially marked keys to store emergency phone numbers
- Special keys for Dial, Menu, & Volume
- Arrow keys to easily select functions & review conversations
- Sticky-key for single-handed typing

DISPLAY

- 48-character LCD display (2 lines)
- Contrast control & backlight for easy reading
- Call Progress indicates when the phone you are calling is ringing or busy
- Timer tells you the length and time of your calls

BUILT-IN RING FLASHER

- Indicates incoming calls & interruptions
- Light flashes when you have auto-answer messages to read

STANDARD TELEPHONE

- Standard telephone for outgoing & incoming voice phone calls
- Directly connects to telephone line
- Keyboard dialing
- Tone or pulse dial (tone dial includes *, #, and hook flash to support call transfer & conference calls)
- Attractive, modern design complements any room or office

PHYSICAL DIMENSIONS

- Size: 8.6" x 7.1" x 2.5" with handset
- Weight: 1 lb., 12.5 oz. with battery
- Printer port to connect an external printer (requires optional printer cable, available from Ultratec)

POWER

- AC adapter (charger): 9VDC, 650 ma
- 9V battery backup for emergencies (battery not included)
- UL/CSA approved

Specifications subject to change

Uniphone 1140™ is distributed by:

Ultratec

The world's leading manufacturer of TTYs

450 Science Drive

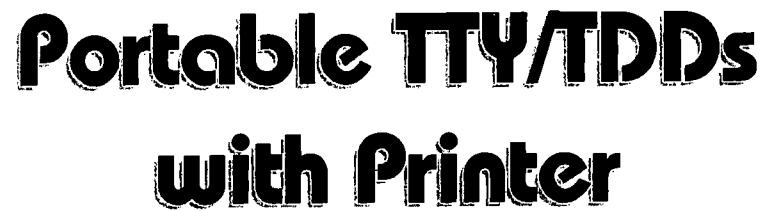
Madison, WI 53711

Toll Free: 1-800-482-2424 (V/TTY)

(608) 238-5400 (V/TTY)

FAX (608) 238-3008





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KROWN MFG., INC. 3115 Lackland Road Fort Worth, Texas 76116
(817)738-2485(Voice) • (817)738-8993(TDD) • (817)738-1970(Fax)



Portable TTY/TDDs with Printer



PortaPrinter Series

PortaPrinter 2000:

- 20-column display
- 20-column printer
- TTY call alert
- Upper and lower case printing
- Replaceable heavy-duty battery
- Acoustic cups to fit round and square handsets
- Electronic voice

PortaPrinter 2000D:

Same standard features as PP2000

PLUS:

- Keyboard Dialing
- Tone/pulse dialing
- Call progress display screen
- Dual modular jacks
- Auto-answer with fixed message

Specifications

MULTI-WIDE PRINTER

24 column thermal printer; Select 20, 24 or even 12 extra large characters on a printed line; Print speed of 2 lines/ second; Receive characters printed in upper case; Transmit characters printed in lower case; 2 .25" wide paper; Separate print on/off switch

DISPLAY

20-Character; Blue/Green Vacuum Fluorescent; 6mm Character Height

COMMUNICATIONS

Baudot Code, 45.5/50 baud
1 Start Bit, 5 Data Bits, 1 Stop Bit

POWER SUPPLY

Heavy Duty AC adapter; UL/CSA listed

PHYSICAL DIMENSIONS

Size: W = 9.5" (24.2 cm)
L = 12.5" (31.7 cm)
H = 2.75" (7 cm)
Weight: 5.75 lbs (2.6 kg) with batteries

Distributed By:



Products for the Deaf and Hard of Hearing

KROWN MFG., INC. 3115 Lackland Road Fort Worth, Texas 76116
(817)738-2485(Voice) • (817)738-8993(TDD) • (817)738-1970(Fax)

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AMERIPHONE

standard letter size
STANDARD LETTER SIZE
big letter
size for
easy reading

BIG LETTER
SIZE FOR
EASY READING

DIRECTORY

MEMO

SEND

MEMO

RECORD

CONV

CLEAR

9%

PLAY

DIALOGUE[®]

Everything

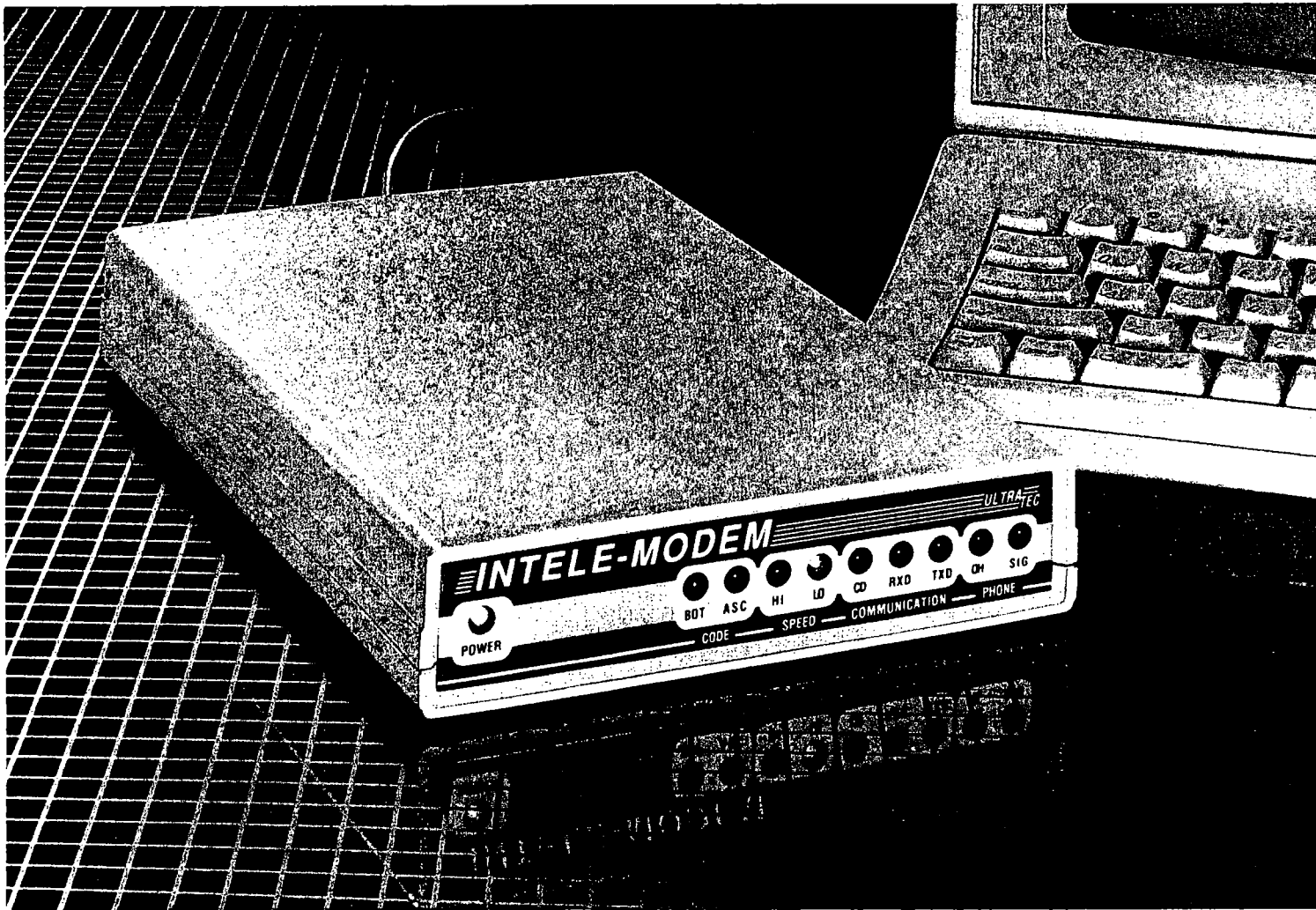
You Ever

Wanted

In A

Text Telephone (TTY)

And More



Turn your personal computer into a TDD

- Automatically converts computer (ASCII) code to TDD (Baudot) code
- Let's you talk to all different types of TDDs and computers
- Directly connects to your phone line
- Lights on front panel indicate current operating mode and line status
- Provides you with call progress monitoring (detects dialtone, ring)
- Works with standard communication software (AT/Hayes™ compatible command set) and BBS software
- Provides computer control of modem
- Automatically detects both Baudot and ASCII calls
- Modes include originate/answer, full or half duplex
- FCC approved
- Includes phone line cord and power supply
- Alternate menu-driven command set for use with terminals
- Backed with a one-year limited warranty by the world's leading TDD manufacturer

Specifications for *INTELE-MODEM*TM

Size: 6.3" (16.1cm)W, 1.4" (3.5cm)H, 9.5" (24.1cm)D

Weight: 24 oz (0.68 kg)

Power: 10VAC 15VA UL approved 115VAC adapter included

Audio Monitor: Internal speaker with volume control

Compatibility: ASCII Bell 103 110/300 bps asynchronous

TDD Baudot 45.5 or 50 Baud 1400/1800Hz

Dialing: Tone or pulse

Answer: Automatic or manual telephone answering

Call Progress: Dial tone, Ringing, Busy

Receive Sensitivity: Better than -45dBm

Transmit Level: -10dBm

AT Commands supported:

A,D,E,F,H,I,M,O,Q,V,X,Z

S registers 0-12

Additional Commands to support TDD modes:

B0 Automatic ASCII/Baudot detection (Default)

B1 Baudot 45.5 Baud

B2 Baudot 50 Baud

B3 ASCII 300 Baud

B4 ASCII 110 Baud

N0 High Sensitivity

N1 Normal Sensitivity in Baudot (Default)

S registers

S13 Auto-Answer time-out in Baudot

Result Codes

Numeric	Verbal	Numeric	Verbal
0	OK	5	CONNECT TDD
1	CONNECT	6	NO DIALTONE
2	RING	7	BUSY
3	NO CARRIER	8	RINGING
4	ERROR	9	TDD TIMEOUT

Front Panel Lights

Power	Power On
BDT	Baudot Code
ASC	ASCII Code
HI SPEED	300 Baud for ASCII 50 Baud in Baudot
LO SPEED	110 Baud for ASCII 45.5 Baud in Baudot
CD	Carrier Detect in ASCII
RXD	Receive Data
TXD	Transmit Data
OH	Off-hook
SIG	Telephone line signal

Back Panel Connections:

RJ11	Telephone line
RJ11	Telephone
DB9S	RS232
DIN 5	Accessory
Speaker Volume	
Power Jack	
ON/OFF Switch	

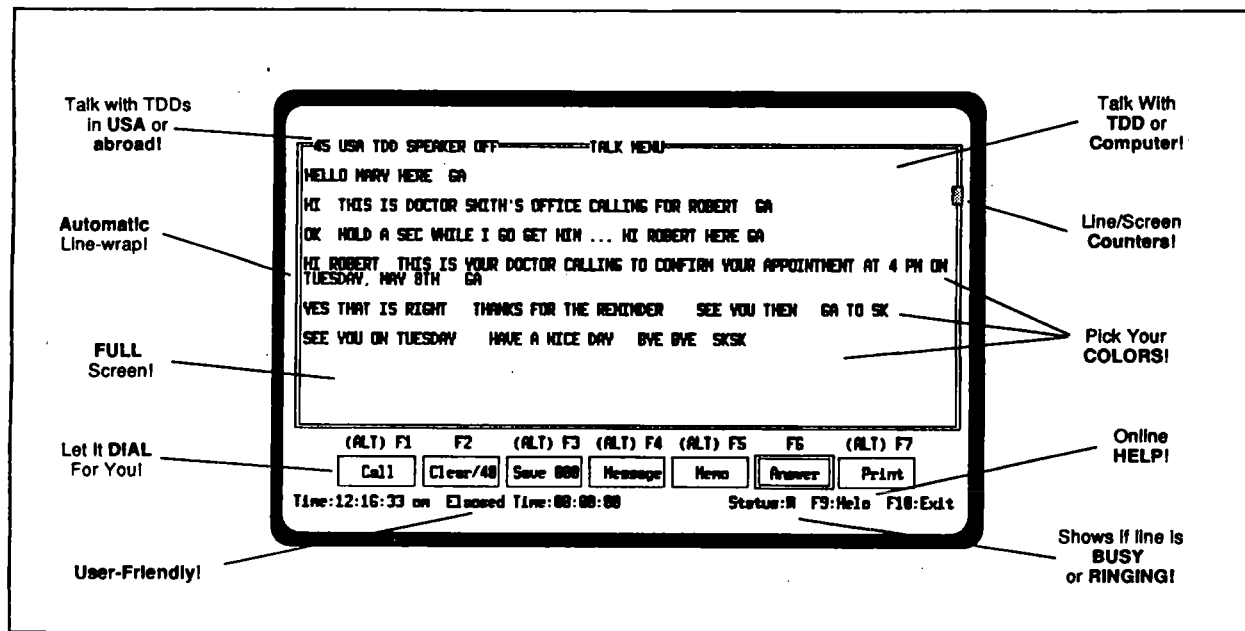
RS232 Connections: DB9S

Pin	Signal
2	TXD
3	RXD
4	DTR
5	GND
8	CTS

POTOMAC TECHNOLOGY, INC.

One Church Street Suite 402
ROCKVILLE, MARYLAND 20850
(301) 762-4005

MIC300i Modem and FullTalk™



MIC300i Modem and FullTalk™

Designed and developed for the Personal Computer (PC, PCXT, PCAT, PC386/486 and PS-25/30/35 compatible), the FullTalk™ software and MIC300i internal modem give new dimensions to the PC user in contrast to the traditional "one-line," one-color display found on most traditional TDDs (Telecommunications Devices for the Deaf).

To mention a few: **Full Screen, Multi-Color Display**, with up to 5 pages of 18 lines of conversation with **Scroll** facility. Choice of Colors for incoming and outgoing text. **Automatic Detection** of speed of incoming call from TDD (Baudot) or computer (ASCII).

Conversation Save and Print capability. **Pre-edited Message Dispatcher. Answering Machine with Remote Access.** FullTalk™ has easy-to-use **E-Mail** and **BBS** features. **Infra-red Interface** for use with flashing light alert!

FlipTalk™, a memory-resident (TSR) software, allows quick "pop in and out" of any text based application program. The MIC300i can co-exist with other modems.

The ultimate answer to the Americans With Disabilities Act of 1990 as it applies to the deaf!

Features

- Acoustic Speaker
- Answering Machine with Remote Access
- Auto Detection TDD/ASCII
- Bulletin Board/E-Mail
- Call Progress Indicator
- Custom Color
- Conversation Save/Snapshot/Print
- Date/Time Display
- 3 Dialing Modes
- Full Screen
- Help Menu
- Highlighted Selection Bar
- Incoming Call Flash
- Infra-red Transmitter (for flashing lights)
- Memo/Message Editor
- Scrolling
- 2 Telephone Directories
- Time lapse Indicator

Technical Specifications

Compatibility

BELL 103 ASCII 110/300 baud
CITT V21 EUROPE ASCII 300 baud
USA TDD 45.5 baud
INTERNATIONAL TDD 50 baud

Operation

Full or half duplex

Input Data Format

Asynchronous operation

Telephone Interface

4-Wire direct distance dial
RJ-11C compatible
PBX compatible (Analog)
Flash PBX support
Pulse or Tone dialing

Call Progress Tone Detector

Phone status via screen indicator
Detects BUSY, RINGBACK, RING, DIAL TONE and TRY AGAIN
Wait for dial tone before dialing
Wait for quiet answer
Built in audio speaker with software volume and switch
ASCII modem answer tone

Interface

PC, PC/XT, PC/AT, 386AT, 486AT, PS-25/30/35
compatible with 8 bit expansion slot
Up to 16 MIC300i in one PC for BBS or E-Mail
OS/2 compatible with 16550 serial chip (option)
Can coexist with any internal 1200 or 2400 or 9600 baud
FAX/modem
Infra-red transmitter to control external remote devices

Modulation

100/300 bps FSK, 45.5/50 bps FSK

Receive Carrier

-43 ± 1dBm ON, -48 ± 1dBm OFF

Transmit Level

-10 ± 1dBm

Power

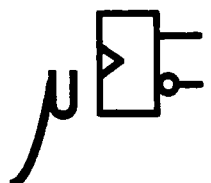
+/- 5 Volts, 12 Volts, 1 Watt

Physical Dimensions

6.5" x 4" x 1"

FCC & DOC Certifications

FCC Part 15 Approved, Class B
FCC Part 68 Approved
DOC Approved

 **Microflip, Inc.**

Corporate Office
11211/11213 Petsworth Lane
Glenn Dale, Maryland 20769

301-262-6020 Voice
301-262-4978 FAX
301-262-1629 TDD/ASCII 300, 8N1H

\$349.00

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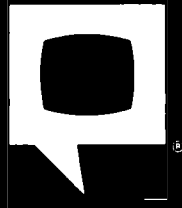
Closed Caption Decoders

Divider Title: _____

CLOSED CAPTION DECODERS

Captioning is necessary to make training videos and television broadcasts accessible to people with hearing impairments. Equipment is available that can encode captions onto videotape or can display closed captions.

NEW SELLING OPPORTUNITIES WITH TELECATION™ VR-100



The TeleCaption™ VR-100 is designed for customers who already have a VCR, cable converter or satellite receiver in their homes. The TeleCaption™ VR-100, which is a "tunerless" caption decoder, takes advantage of the tuner already present in the consumer's home entertainment system. The National Captioning Institute (NCI) has designed a winner which you will want to carry as another option to the full feature TeleCaption decoder. The TeleCaption™ VR-100 includes the following exciting features:

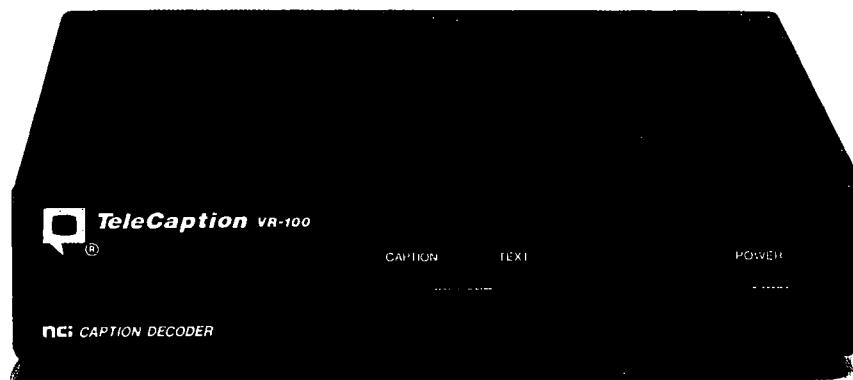
- **HIGH QUALITY**—Using the VR-100's "video in and out" connectors, you'll get the sharpest, highest-quality picture and captions possible!
- **COMPACT**—At 7 1/2" x 1 5/16" x 6 3/8", the VR-100 is the world's smallest caption decoder!

- **LIGHTWEIGHT**—At just over 3 lbs, the VR-100 is also the world's lightest caption decoder!
- **EASY HOOK-UP**—The VR-100 connects to your TV and either a VCR, cable converter or satellite receiver in seconds!



RoboCop 2 Courtesy of Orion Home Video
©Copyright 1990. Used with permission.

- **USER FRIENDLY**—The VR-100's simplistic, two-button design makes it a breeze to operate!
- **AFFORDABLE**—The VR-100 is our most affordable decoder ever!
- **TEXT CHANNEL**—The VR-100 features a "TEXT" mode so you can access TV captioned program listings from the 24-hour text service!
- **PRODUCT CONFIDENCE**—The VR-100 is FCC certified and UL listed!
- **NCI RELIABILITY**—The VR-100 is backed by a one year limited warranty on parts and labor!



TeleCaption™ VR-100. Hook it up with your TV and either a VCR, cable converter or satellite receiver, and you will have captions just by turning on the decoder.

Millions of People Can Use Captioned Television

Closed captioning has become a highly valued service of the television and home video industries. Thousands of individuals have found captioned television to be a wonderful way to enhance their understanding of television, and at the same time, improve their reading skills.

Captioning has been hailed by deaf and hard-of-hearing people as the most significant new technology of this century. But this isn't the only market for caption decoders. Captioning is now

being used by new Americans as an effective means to improve their English skills. Slang and idioms make more sense; spelling and reading comprehension becomes easier. Small children and many other hearing people also find captioning to be an effective method for learning new vocabulary and sentence structure.

All That's Needed is a TeleCaption Decoder

The captions can be seen only when a TeleCaption decoder is connected to a TV set. It's very simple! The

TeleCaption™ VR-100 displays captions, or the spoken dialogue and sound effects of a TV program, on your TV screen. All your customer has to do is turn on the decoder and push the caption switch!

Easy. User friendly. That's the VR-100.

With TeleCaption™ VR-100, your customers can enjoy over 450 hours of captioned programming each week, plus view any of the 3,000 home video titles that are captioned.

TeleCaption™ VR-100 — Easy to hook up. Easy to use.

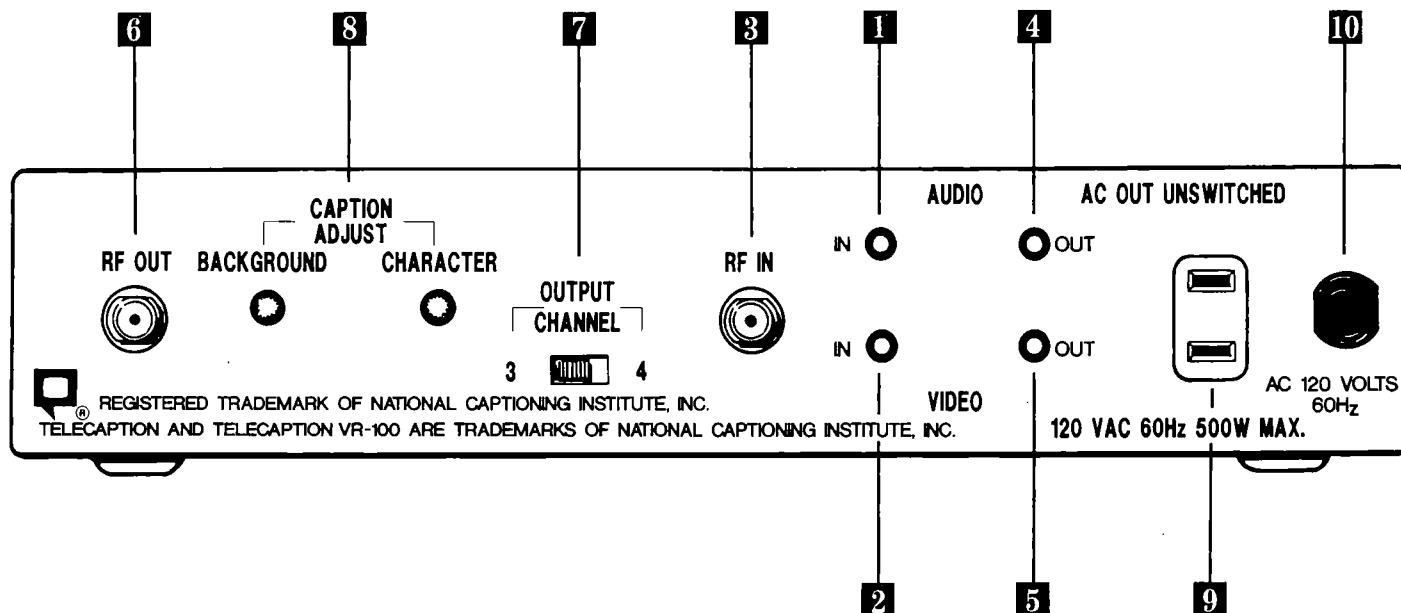
1. AUDIO IN: Audio "in" from the audio output of a VCR, cable converter or satellite receiver.
2. VIDEO IN: Video "in" from the video output of a VCR, cable converter or satellite receiver.
3. RF IN: RF "in" connector to the decoder from a VCR, cable converter, or satellite receiver.
4. AUDIO OUT: Audio "out" (balanced line level). Can be used with an infrared

transmitter or stereo audio system to improve audio reception, or to connect to an audio input of a television receiver/monitor.

5. VIDEO OUT: Video "out" to be connected to a video input of a television receiver/monitor.
6. RF OUT: RF "out" connector from the decoder to the television.
7. CHANNEL SELECT SWITCH: Selects either channel 3 or channel 4 as the

RF output from the decoder to the TV. The television must be tuned to the same channel as this switch.

8. CAPTION ADJUSTMENT: BACKGROUND: Adjusts caption background contrast. CHARACTER: Adjusts caption character brightness.
9. AC OUTLET: Unswitched outlet which will handle 500 watts maximum.
10. AC PLUG: 110/120 VAC/60 Hz



Consumer Marketing

 We bring words to your world.

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Assistive Listening Devices

Divider Title: _____

ASSISTIVE LISTENING DEVICES

Assistive listening devices make conference rooms and auditoriums accessible for hard of hearing individuals. The receiver resembles a portable audio cassette player. This device improves auditory discrimination and auditory attention by allowing the individual to focus on the speaker.

HARC™ *premier product*

FOR THE PERSON WITH HEARING DIFFICULTY

CH 1500 InfraSound® Twin-Power Headset System

Cordless infrared system for private listening. This system combines the latest in technology and delivers superb sound from any TV/HI FI or other audio source without disturbing others.

- ☐ Separate volume control for each ear
- ☐ Completely cordless
- ☐ Automatic shut off function
- ☐ Includes microphone adapter
- ☐ Adaptable to any TV
- ☐ Operating distance up to 25'
- ☐ Table top or wall mountable transmitter
- ☐ Receiver uses 2 AA batteries (not included)
- ☐ Lightweight headphones with large comfortable cushioned earpads
- ☐ One year warranty

HARC™ Part Number:
NV-CH1500



For more information on this or other products for
Persons With Hearing Difficulty, call or write:

800-445-9968 or 616-381-0177

FAX 616-381-3614 TDD 616-381-2219

HARC™ Mercantile, Ltd.

P.O. Box 3055, Kalamazoo, MI 49003-3055

HARCTM *premier product*

FOR THE PERSON WITH HEARING DIFFICULTY

Porta IRTM ***Compact***

Portable infrared communication system. Use at social gatherings, group meetings, or with friends in conversation. The Porta IRTM facilitates self-reliance and independence.

- ☐ Compact size 4" x 2.5" x 1"
- ☐ Automatic gain control (AGC)
- ☐ Built-in conference microphone
- ☐ Operates 2 hours on 9V battery or up to 10 hours with optional battery pack
- ☐ Rechargeable batteries or AC powered
- ☐ Audio input from TV or stereo

HARCTM Part Number:
AL-Compact



For more information on this or other products for Persons With Hearing Difficulty, call or write:

800-445-9968 or 616-381-0177

FAX 616-381-3614 TDD 616-381-2219

HARCTM Mercantile, Ltd.

P.O. Box 3055, Kalamazoo, MI 49003-3055

HARCTM *premier product*

FOR THE PERSON WITH HEARING DIFFICULTY

Sennheiser Audio Port A 1

A hearing aid for people with slight to moderate hearing loss or difficulty who wish to improve their hearing only in case of need.

PROFILE



- ☐ Automatic volume control
- ☐ Excellent sound quality
- ☐ Automatic own-voice suppression
- ☐ Increase amplification up to 30dB
- ☐ Rechargeable battery
- ☐ Averages 10 hours of use per charge
- ☐ Compact design
- ☐ Easy to operate
- ☐ 24 Month warranty

HARCTM Part Number:
SH-Audioport/A1

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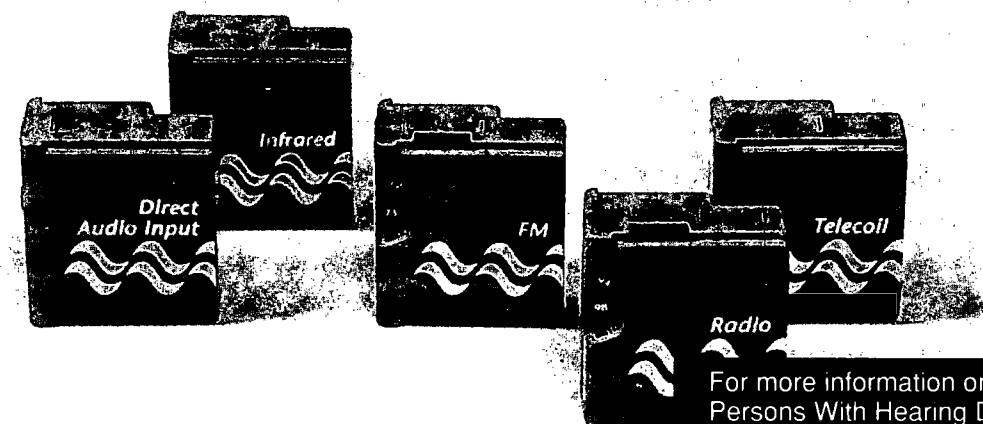
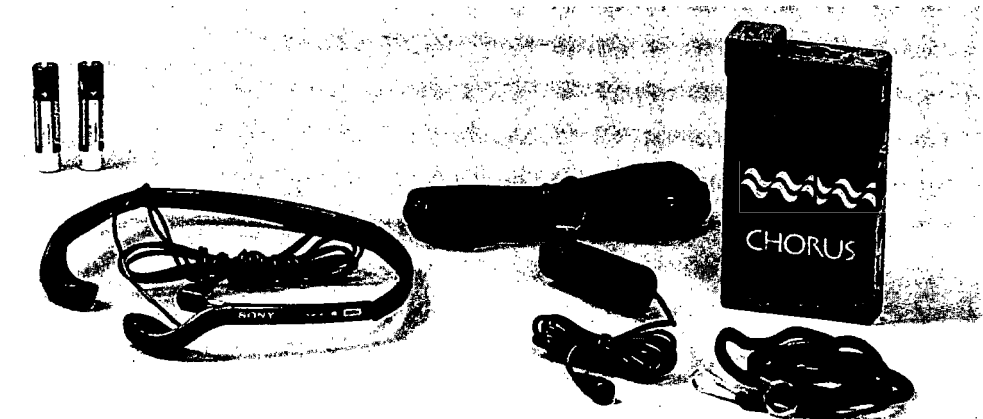
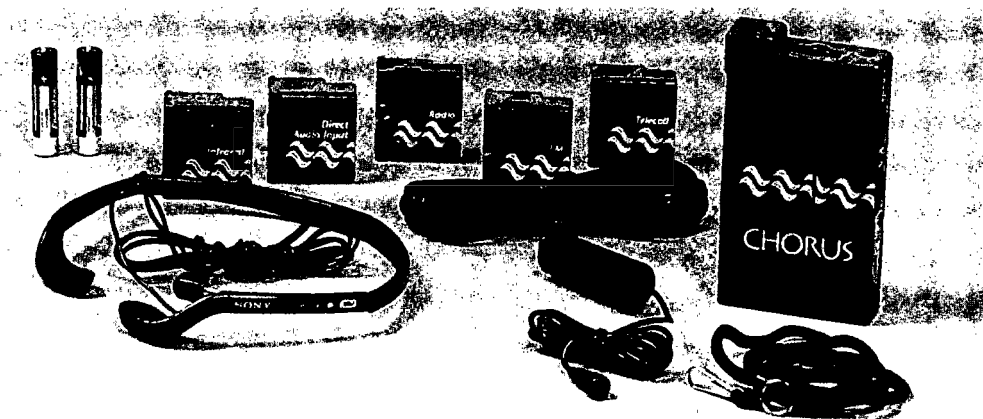
HARCTM *premier product*

FOR THE PERSON WITH HEARING DIFFICULTY

ChorusTM Listening System and Accessories

ChorusTM the *world's first* universal listening system, gives you compatability and flexibility.

PROFILE



- ☐ Access any assistive listening system
- ☐ Five different modules to assist you in hearing better
- ☐ FM module receives sounds from most FM ALD transmitters
- ☐ Infrared module receives sounds from all infrared ALD transmitters
- ☐ Telecoil module receives sounds from any induction-based transmitter
- ☐ Direct audio input module allows you to plug audio devices directly into ChorusTM
- ☐ Radio module is an FM radio tuner that receives the standard FM radio frequencies
- ☐ Changing modules is easy
- ☐ Microphone included
- ☐ 2 AAA batteries (not included)
- ☐ One year limited warranty
- ☐ ChorusTM accessories available

HARCTM Part Number:
AD-CSRUP

For more information on this or other products for Persons With Hearing Difficulty, call or write:

800-445-9968 or 616-381-0177

FAX 616-381-3614 TDD 616-381-2219

HARCTM Mercantile, Ltd.

P.O. Box 3055, Kalamazoo, MI 49003-3055

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Signaling Devices

Divider Title: _____

SIGNALING DEVICES

Signaling devices are used to indicate environmental auditory signals, such as telephone rings or computer beeps. These devices assist in making communication more accessible for people with hearing impairments.

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Communications Catalog

Silent Call

28pgs

Communications Catalog



Silent Call

A better way to stay in touch.

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Screen Reading Software

Divider Title: _____

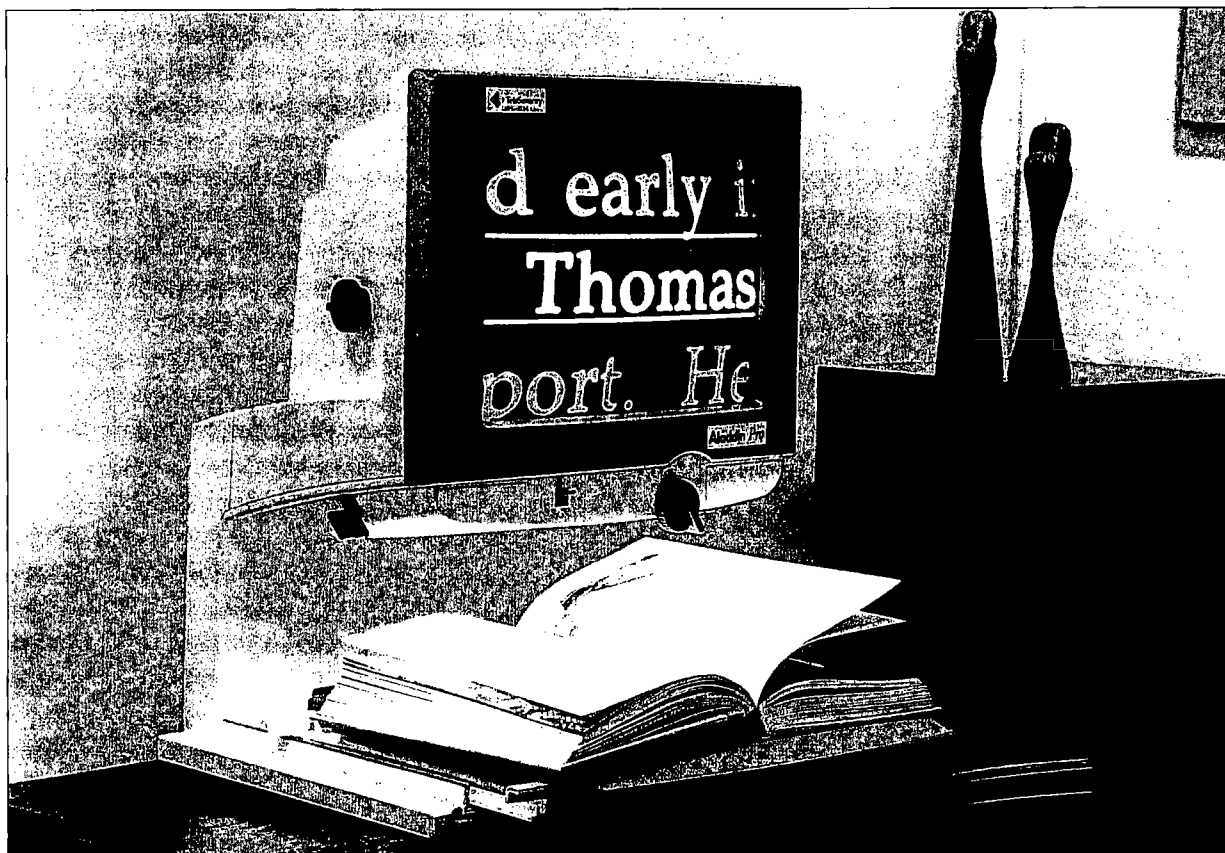
SCREEN READING SOFTWARE

Screen reading software converts computer generated text to artificial speech, which is spoken through one of many available speech synthesizers. Screen readers are compatible with word processing, spreadsheet, and database packages and can be used in conjunction with screen enlargement products. These systems assist in creating accessible computer environments for people with visual and communication impairments.



TeleSensory

Aladdin[®] Pro Series



Twenty-six years of building the world's foremost Closed Circuit Televisions (CCTVs) for visually impaired people has enabled us to foresee the future of reading aids . . . it begins with a series of professional readers.

The future expects ease of use. With just five controls, the Aladdin *Pro* series gives you a choice of magnification sizes, high or low contrast, focus, picture type (positive or negative), and the new Shadow Mask feature.

The magnification control allows Aladdin *Pro* to magnify standard newspaper print to over two inches. The

Aladdin *Pro +* has even greater magnification, increasing print size to over three inches. Both provide a choice of black text on a white background or white text on a black background.

The future demands versatile reading features.

The Aladdin *Pro* series' new Shadow Mask allows easier reading conditions by highlighting a portion of the text while dimming the surrounding text. This feature makes it easy to keep eyes focused on the proper reading line, especially important for professionals who read columns of numbers.

The future is secure. This professional series has a unique, built-in Keylock feature that protects Aladdins from unauthorized use.

We built the future. The Aladdin *Pro* series was designed for professionals, students, and people at home. In the office, activities such as reading computer printouts and balancing ledgers are accomplished easily. In classrooms, a student can use the same textbooks and library materials that other students use. Aladdin *Pro* and *Pro +* can be used at home for writing, reading, and pursuing hobbies, such as stamp collecting and catalog shopping.

Aladdin *Pro* Series Features

Controls:

- On/Off switch
- Size control lever for magnification change
- Focus control knob
- Picture control lever with five user-selectable positions
- Shadow Mask knob to highlight a portion of the screen

Magnification: Aladdin *Pro* can magnify standard newspaper print to over two inches; Aladdin *Pro +* magnifies to over three inches.

Bright Negative Mode Picture: Negative mode picture (bright white letters on black background) provides maximum reading comfort by concentrating the brightness in the text, where the user needs to focus, leaving a black, low-glare background that won't interfere with reading.

Photo Viewing Mode: A medium-contrast "photo mode" to view photographs, illustrations, 3-dimensional objects, and fine detail work.

Shadow Mask: Unique new Shadow Mask highlights a portion of the screen (horizontal or vertical) while dimming the rest, enabling the user to focus on one line or area at a time.

Underline: Underline feature places one line (horizontal or vertical) on the screen to use as a writing guide or to keep one's place while reading or viewing columns.

Enhanced Contrast: Enhanced contrast in both negative and positive reading modes.

Depth of Field: Large depth of field permits 3-dimensional objects, curved surfaces, and thick books to be read with minimal refocusing.

Reading Table: Warm gray table color enables the user to easily locate paper position and provides a low-glare surface. Reading table moves freely in any direction. Table Lock lever stops movement completely or just vertically. Aladdin *Pro +* features an extra heavy-duty table to accommodate larger, bulkier reading materials.

Margin Stops: Margin stops on reading table permit adjusting horizontal table movement, with simple click-up/click-down convenience.

Keylock: Unique new Keylock feature provides security against unauthorized use.

Handle: The built-in handle makes it easy to carry.

Ready to Use: No assembly, installation, or set-up required. Unit is ready to use when it comes out of the shipping carton.

Warranty: Two-year manufacturer's warranty against defects in material and workmanship within the continental U.S. Extended warranty available.

About TeleSensory

For 26 years, TeleSensory has been the leading worldwide manufacturer of adaptive equipment for visually impaired people. Our award-winning products help tens of thousands of individuals gain access to print and electronic information. TeleSensory CCTVs are proudly made in the U.S.



TeleSensory

455 N. Bernardo Ave.
Mountain View, CA
94043-5237
Phone: 415-335-1800
Fax: 415-335-1816
800-804-8004

Key = LV10

Your Representative:

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ViewpointVGA



*A new
generation of
magnifying
systems for
visually
impaired
people*

Reading, writing, and computer access now come in one compact package – at an affordable price

If you have limited vision and can't read normal print on a page or a computer screen, the Viewpoint VGA will open new doors for you. For the first time, there is a compact, economical system which can combine, on one screen, an enlarged image of reading materials or handwriting with a magnified computer display.

Viewpoint VGA is a flexible electronic magnifying system, available in a variety of configurations to suit the reading and computer access needs of visually impaired people.

■ If you need just a reading system, choose from three models, each incorporating the unique Viewpoint VGA hand held CCD camera and with a screen type or size to suit your visual ability.

■ If you need to access a computer in your job, your studies, or in your leisure pursuits, choose one of the computer compatible versions of the Viewpoint VGA, and integrate all your large print information on one display screen.

■ If you need to magnify your handwriting as you write letters, or fill out forms or cheques, add a Handwriting Stand to any Viewpoint VGA system.

Viewpoint VGA is a truly elegant solution to large print access needs. It takes up no more room on your desk than a personal computer, and if you already have a computer with a VGA display screen, you need only buy the Viewpoint VGA control unit and camera, to create a complete large print workstation.



The low vision reading device that goes *everywhere* you do.

Now you can enjoy the benefits of an Optelec low vision reading system on the go—*wherever* you go and *whenever* you need it—at work or school, in restaurants, grocery stores, libraries and museums, even while you travel. The Bright Eye incorporates our state-of-the-art CCTV technology for the visually impaired into a lightweight, battery operated, totally portable system that fits in your purse or briefcase. Just clip the eyepiece onto your glasses or custom headband, hook the rechargeable battery pack to your belt or pocket, and you're ready to go.

The heart of the Bright Eye is a CCD solid-state video camera housed in a compact, lightweight, hand-held scanner designed to glide effortlessly across the written surface. The eyepiece projects a scanned image equal in size to that of a 12" TV screen viewed at approximately 18" distance, with exceptional clarity and contrast. Magnification, focus, and brightness are user adjustable. The Bright Eye is so portable and easy to use, its applications are virtually limitless. You can even use it outdoors!

- Battery pack provides up to 4 hours of use on a single charge
- Eyepiece clips onto most eyeglass frames or optional custom headband; reverses for use with either eye
- Ergonomically designed scanner fits comfortably in your hand
- Direct Tracking system makes straight-line scanning easy
- Deciphers text and images
- Magnification and focus are user-adjustable for visual acuities down to 20/400
- Unlimited applications—read menus, maps, food packages, technical drawings and more!



The Bright Eye is the latest product of an ongoing development effort at Optelec to create low vision reading systems that meet the specific needs of our customers. So when our customers asked for a portable reading system with many of the same functional features as our popular 20/20 and 20/20+ systems, we gave them the Bright Eye. In fact, Optelec is the *only* company that has successfully developed a system that satisfies all the demands for portability, comfort, clarity and reliability.

Don't delay. For more information on the Bright Eye or to place an order, call 508-392-0707, or write us at 4 Lyberty Way, P.O. Box 729, Westford, MA 01886.

At Optelec,  our future.

Optelec  **Inc.**

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Augmentative Comm. Devices

Divider Title: _____

AUGMENTATIVE COMMUNICATION DEVICES

Augmentative communication devices provide an alternate method of speech. Communication is produced through a visual display, printed output and or speech output. These devices assist persons who have difficulty communicating verbally.

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Innocomp - Digitized Speech
'97 Products Catalog

8pgs

DIGITIZED SPEECH

'97 PRODUCTS CATALOG



Innocomp 
INNOVATIVE COMPUTER APPLICATIONS

EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF ADMINISTRATION
ROUTE SLIP

TO <u>John Dankowski</u>	Take necessary action ☐
	Approval or signature ☐
	Comment ☐
	Prepare reply ☐
	Discuss with me ☐
	For your information ☐
	See remarks below ☒

FROM Sharon Solomon DATE 7/23/98

REMARKS

RE: Accommodations / Assistive
Equipment and Technology

JOHN DANKOWSKI

07/22/98 02:37:36 PM

Record Type: Record

To: Courtland L. Willman/WHO/EOP

cc: Sharon L. Solomon/OA/EOP

Subject: Accessibility Purchases

Courtland,

No hurry, but sometime this week would you please call Dina Cohen at 703-681-3976 on my behalf -- she and I have been playing phone tag. Tim Milbrath referred me to Dina -- she is apparently a government expert on equipment and plans that are helpful to persons with disabilities. Find out what she has to offer and what she might recommend. The idea is to learn more about items we might need to buy or have on hand for persons with disabilities. Sharon Solomon is also sending us a package of information, but no harm in learning all we can. Thanks,
John

July 23, 1998

NOTE TO: JOHN DANKOWSKI

FROM:  SHARON SOLOMON

SUBJECT: ACCOMMODATIONS LIST

You recently contacted my office to advise that you were considering purchasing some accommodations/ assistive aids with year-end money to have available in stock or to meet any employee need that may exist. As promised, I have compiled a list (attached) of accommodations/assistive aids for your reference. As we discussed, since accommodations are highly individualized, it is not advisable to purchase some aids in advance of a specific need. However, some aids are fairly universal and can meet general needs such as a number of those listed in the attachment. Literature on some of the aids listed is also attached. However, while I am familiar with some of the companies, I do not promote any particular one. OA's procurement office can assist you as well in locating vendors. Additionally, I have contacts in several federal agencies which have assistive equipment and technology centers and can arrange for demonstrations of some of the aids if you are interested.

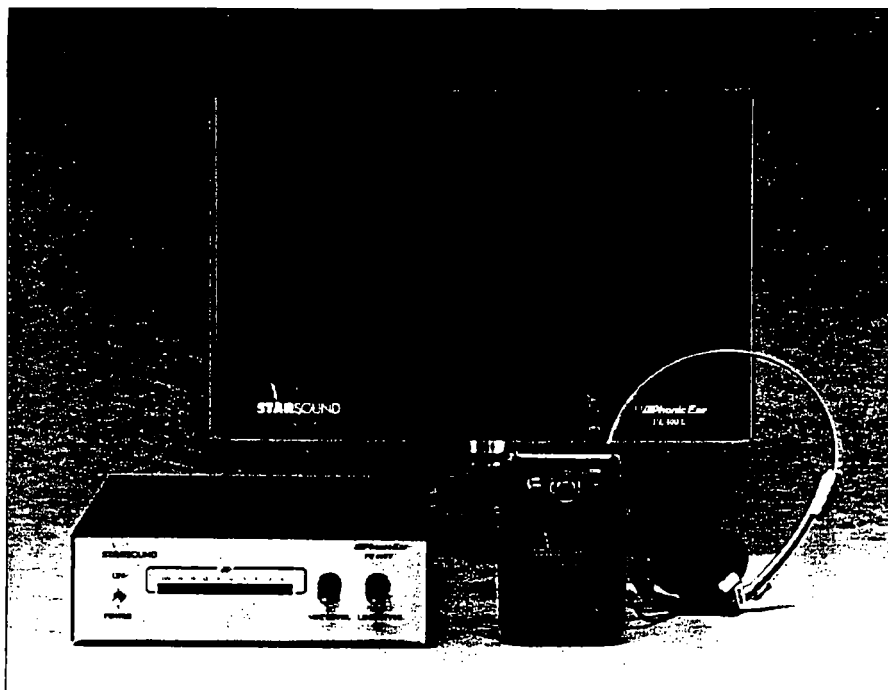
Please contact me, if you have any questions of if I can be of further assistance.

ACCOMMODATIONS

The following is a list of some possible accommodations that may assist people with a variety of disabilities. Estimated costs are indicated where known. This list is not all inclusive. Generally, accommodations should be tailored to individuals' specific needs.

DISABILITY	ITEM	ESTIMATED COST
Low Vision	20" Large Monitor	\$2000
Low Vision	Closed Circuit TV (video magnifier for hard copy documents and objects)	\$2000
Low Vision	ZoomText Extra (screen enlarging software)	\$500
Vision	Monitor Magnification Screen Covers and Glare Guards	\$100
Low Vision/Blindness	Screen Scanners/Readers	
Blind	Portable Braille Note Taker	
Hearing/Speech	TTY/TDD	\$400
Hearing	Assistive Listening Device	\$1500
Hearing	Speech Amplification Telephone	
Dexterity	Keyboard Enhancement Software Program	
Mobility	Dragon Naturally Speaking (Preferred or Professional Editions) Speech Recognition System	\$700
Mobility	Ergonomic Keyboard	\$300
Mobility	Contour Ergonomic Mouse	\$60
Mobility	Ergonomic Adjustable Chair	\$500
Mobility	Foot Rest	\$40

))))))Phonic Ear®



STAR SOUND™

**Infrared Hearing
Assistance System**

GENERAL DESCRIPTION

The Phonic Ear STAR SOUND system utilizes infrared technology for wireless transmission of sound from a public address system (or other sound source) directly to the listener. Infrared transmission does not penetrate through walls. By confining the transmitting signal within the desired amplified area only, the broadcast is free from outside interference and absolute privacy is always maintained. A standard system will include a PE 400T or PE 410T Base Station, PE 400E Emitter(s), PE 400R Receiver(s) and PE 300C Battery Charger.

MAIN APPLICATIONS

THE STAR SOUND system may be used in any indoor facility needing to provide hearing accessibility, language translation, or audio description. The system's receivers are fully interchangeable and offer

flexibility to cinemas and other multiplex facilities. Due to the security of the sound signal provided by infrared technology, government and legal venues may find this system particularly appropriate.



Innovative Communication Technologies

USA/International
Phonic Ear Inc.
3880 Cypress Drive
Petaluma, CA 94954-7600
U.S.A.
800-227-0735
707-769-1110
707-769-9624 FAX

Canada
Phonic Ear Ltd.
10-7475 Kimbel Street
Mississauga, Ontario
L5S 1E7 Canada
800-263-8700
905-677-3231
905-677-7760 FAX

Your Phonic Ear Authorized Distributor is:

SUPERCOM™ TDD

Powerful Telecommunications Device for the Deaf

Supercom has exciting features that will change the way you use the telephone. **Supercom** can connect directly to your telephone line. You can even dial phone numbers right from the keyboard. Your TDD and telephone are built into one easy-to-use TDD.

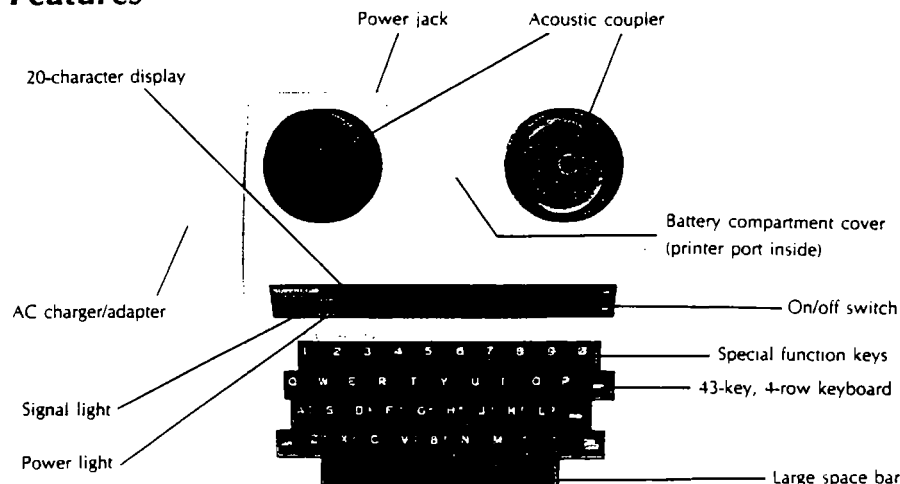
And that's not all that's built-in: **Supercom's** auto-answer means that while you're away, **Supercom** can answer your phone and let your callers leave messages for you. You can save these messages using **Supercom's** memory or you can print them on your own external printer. You can even call in and read your messages with remote message retrieval.

Say goodbye to "hang-ups" with the **TDD Announcer**. It is a built-in voice that alerts hearing people to your calls by saying: "Hearing impaired caller, use TDD," until they answer by typing on their own TDD.

Supercom's rechargeable batteries are easy to change by snapping open the battery compartment door. Heavy duty batteries are also available. Other options include ASCII code, soft carrying case, dust cover, and extended warranty.

Supercom comes with a one year warranty, and it is built to last for years of enjoyable telephone use.

Features



Specifications

Physical Dimensions

Size: 8.9" x 10" x 2.5"
(22.4cm x 25.4cm x 6.4cm)
Weight: 2.5 lbs. (1.1kg) with batteries

Power

NiCad rechargeable batteries (6 size AA)
AC charger/adaptor: 9VDC, 650ma
UL/CSA listed
Optional heavy duty NiCad rechargeable batteries available (6 size sub-C)

Keyboard

4-row keyboard
43 easy-touch keys
Typewriter-style layout
Keys spaced for typing ease

Display

Bright, 20-character display
Blue/green vacuum fluorescent
Character height 0.25" (6mm)

Telecommunications

TDD Announcer (voice)
Baudot (TDD standard) code (45.5 baud)
International code (50 baud)
FCC approved
High/Normal Sensitivity Control (E.A.R.S.™)

Memory

8k memory, non-volatile
Saves and sends messages
Stores up to 10 different phone numbers
Stores TDD conversations
Stores and sends personal auto-answer message
Reprints/resends messages
Memory edit functions: insert, delete, clear

Auto-answer

Automatically answers calls with your personal auto-answer message
Changeable answer/message
Directly connects to telephone line
Keyboard dialing
Memory dialing (up to 26 different phone numbers - pulse only)
Remote message retrieval
Auto redial

Printer Port

Parallel interface pin assignments:

1 DATA STROBE	6 D4	11 GROUND
2 D0	7 D5	12 GROUND
3 D1	8 D6	13 GROUND
4 D2	9 D7	14 GROUND
5 D3	10 ACK	

Supercom is distributed by:

Potomac Technology

1010 Rockville Pike, Suite 401
Rockville, Maryland 20852
(301) 762-0851 (TDD)
(301) 762-4005 (Voice)

ULTRA-TEC 450 Science Drive
Madison, WI 53711
(608) 273-0707 (Voice or TDD)

SUPERCOM options include:

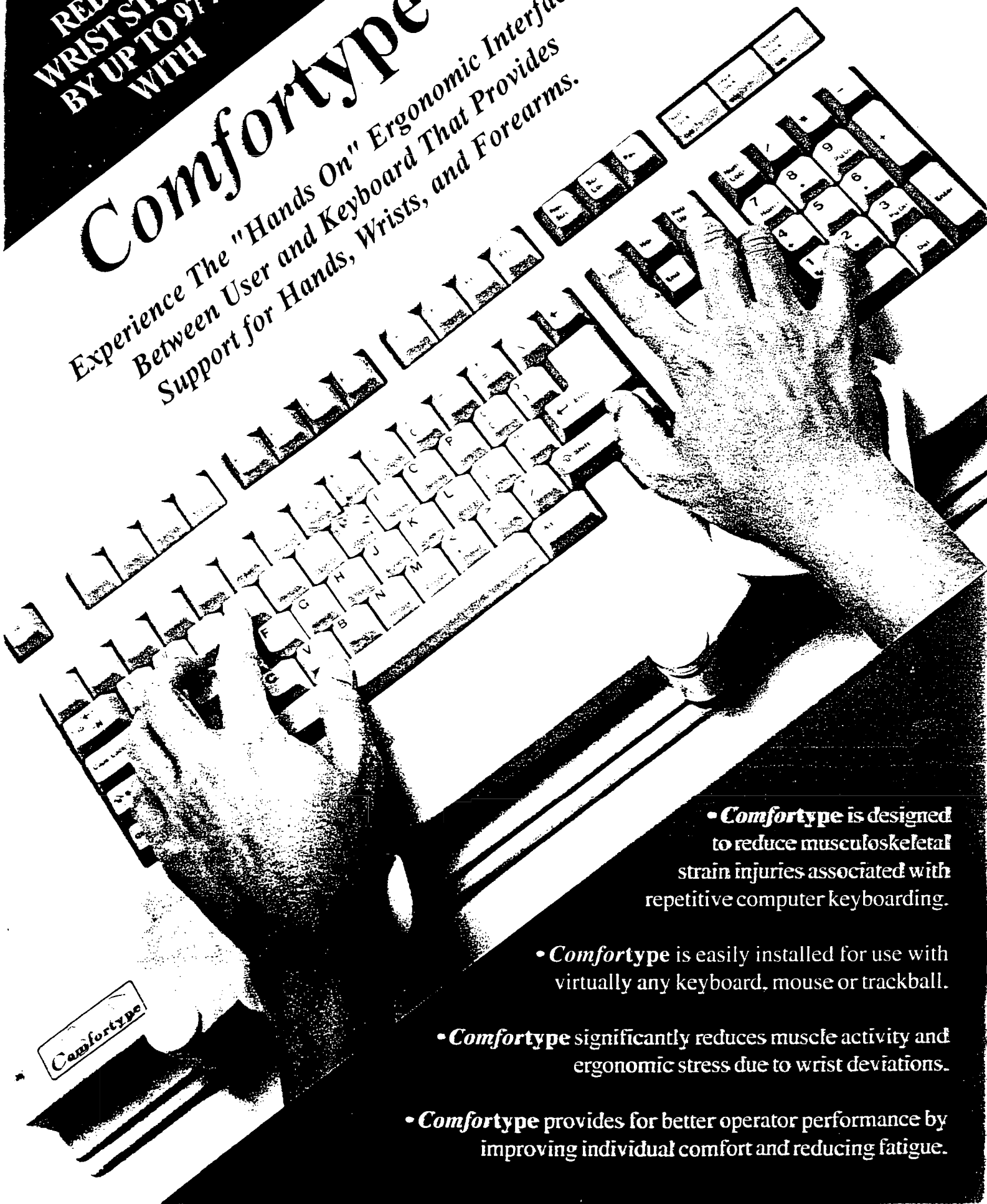


- ASCII code
- Heavy duty batteries
- Soft carrying case
- Dust cover
- Extended warranty

REDUCE
WRIST STRAIN
BY UP TO 97%
WITH

ComfortypeTM

Experience The "Hands On" Ergonomic Interface
Between User and Keyboard That Provides
Support for Hands, Wrists, and Forearms.



- **Comfortype** is designed to reduce musculoskeletal strain injuries associated with repetitive computer keyboarding.

- **Comfortype** is easily installed for use with virtually any keyboard, mouse or trackball.

- **Comfortype** significantly reduces muscle activity and ergonomic stress due to wrist deviations.

- **Comfortype** provides for better operator performance by improving individual comfort and reducing fatigue.

Apply "Yourself" To A Correct Ergonomic Workstation!

HEAD

Erect without straining, about an arms length from screen.

NECK AND SHOULDERS

Relaxed with upper arms vertical

BACK

Upright or inclined slightly from hips. Maintain support and slight curve of the lower back.

ELBOWS

Relaxed, at about a right angle.

WRISTS

Rested on dynamic support. No flexing up or down.

CHAIR

sloped slightly forward.

SCREEN

at eye level, or slightly lower.

FINGERS

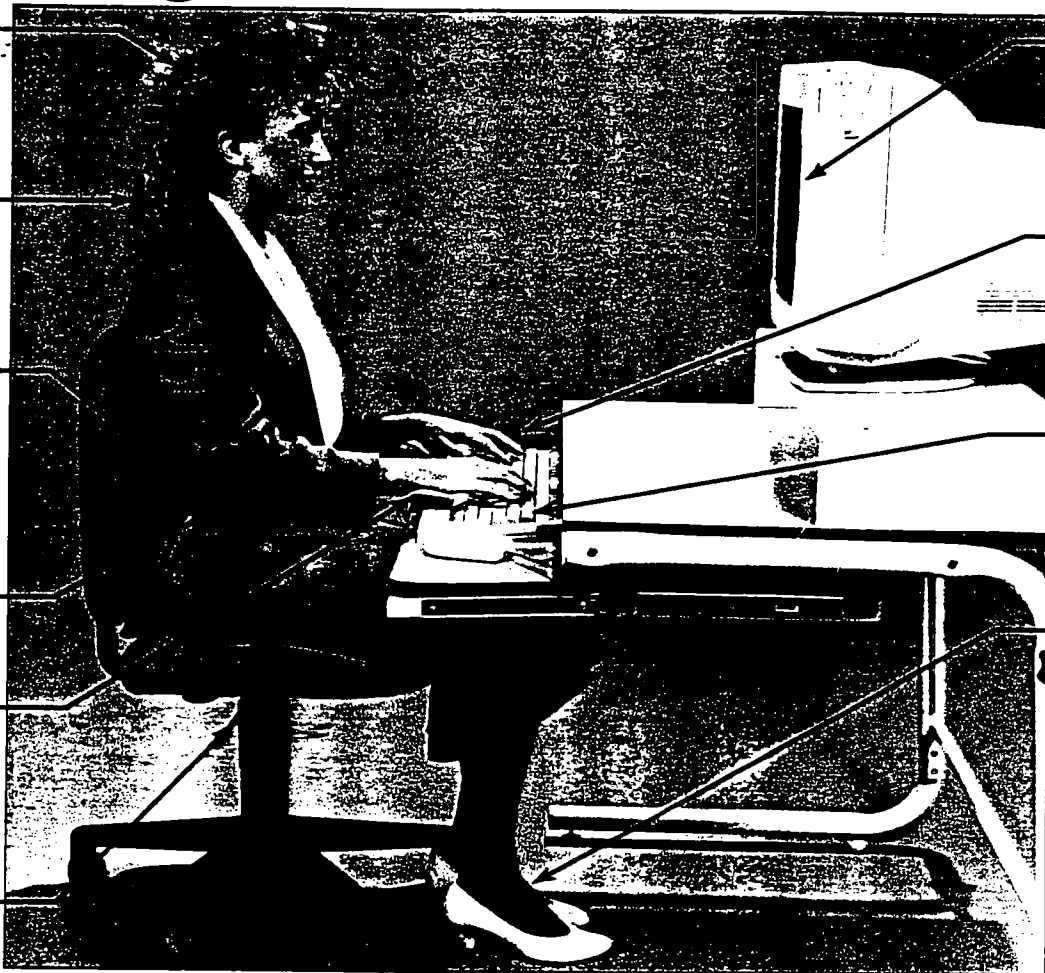
Gently curved, palms supported.

KEYBOARD

Keep flat at just below elbow level.

FEET

Firmly planted on the floor, or footrest.



ComfortypeTM

*Experience The "Hands On" Ergonomic Interface
Between User and Keyboard That Provides
Support for Hands, Wrists, and Forearms.*

DISTRIBUTED BY:

Satisfaction Guaranteed!

**Woodward,
Alpert**

& Associates

PARTNERS IN PREVENTION

515 North Cabrillo Park Drive • Suite 101
Santa Ana, CA 92701
(714) 565-3100

PLACE
FIRST CLASS
POSTAGE
HERE

BrailleMate 2 and 2+2



Now there's a better way to take meeting notes, keep track of important dates, find a phone number quickly, balance a checkbook, or write letters and papers; it's called BrailleMate 2 and BrailleMate 2+2. Featuring an 8-dot braille keyboard with two special function keys, one 8-dot braille cell and a built-in speech synthesizer, BrailleMate organizes, stores, and retrieves information.

Packed with power

BrailleMate is a hand-held, one pound dynamo full of memory and versatility. As

soon as you take BrailleMate out of your briefcase or book bag, it's ready to use. There are no startup commands to give, no files to create, no software to load. You will soon come to depend on BrailleMate's file handling and transfer capabilities.

Smart mate

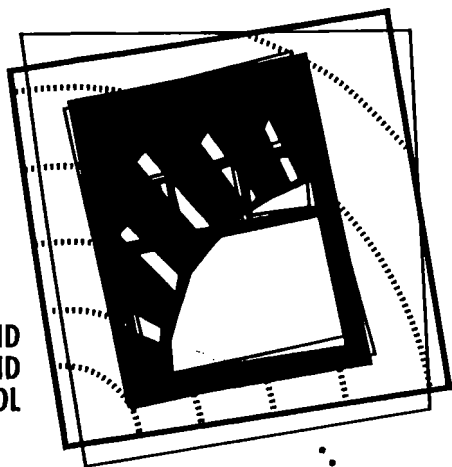
Business professionals and students can learn to use BrailleMate almost immediately. With the braille keyboard, text can be entered in either Grade 1 or Grade 2 braille. Since BrailleMate has an on-board translator, Grade 2 braille is automatically converted to standard text for

speech and print output. A simple command will send information to an ink printer or braille embosser like TeleSensory's VersaPoint or the new line of Thiel printers.

BrailleMate's "cut and paste" editing capability interacts easily with its word processor, four-function calculator, time and date function, and address and appointment books. Standard word-processing functions such as block manipulation, insert, delete, and place markers are included.

BrailleMate is a sturdy traveling companion with its own handy softpack carrying case.

**COMMAND
AND
CONTROL**



**Use voice commands
to control Windows**

DragonTalk>To™ Voice Command and Control for Windows™

Designed for the Microsoft® Windows™ environment, the DragonTalk>To™ family of productivity tools lets you use simple voice commands to launch applications and manage multiple windows.

Now you can run Windows applications and accessories, control applications, choose menu options, and format documents by voice. Just say the command — “Bring up WordPerfect,” “Font Bold,” for example — and Talk>To makes your computer respond.

Talk>To lets you focus on your work instead of how you control your computer or application. The program provides hundreds of built-in voice commands to simplify using several popular applications including Microsoft® Word, WordPerfect®, and Lotus® 1-2-3®, as well as Windows tools, such as File Manager, and accessories like Calculator.

Various versions of Talk>To are featured in popular PC products including ExecuVoice™, Media Vision™ Pro Audio Studio™ 16, and IBM® VoiceType™ Control for Windows. Talk>To technology is also licensed by Microsoft for use in the Voice Pilot component of Windows Sound System as well as by other market leaders.

**Enter text and data into your
application programs by voice**

DragonDictate®

Large Vocabulary Dictation Systems

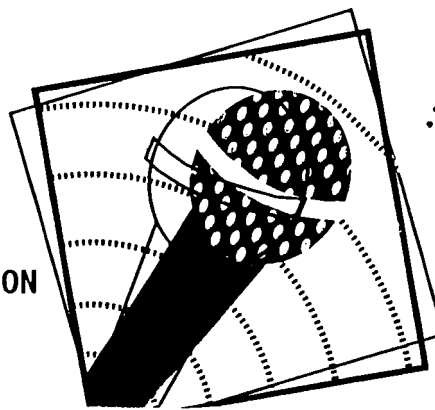
The DragonDictate family of large vocabulary dictation systems offers an exciting new way to interact with your personal computer. You can now enter text and data into word processing, spreadsheet, database, and other programs by speaking instead of typing. In this way, you can create everything from business letters to complex documents without using the keyboard! Simply talk into a microphone, and your words appear on the computer screen.

DragonDictate also allows you to control your computer applications like WordPerfect® and Lotus® 1-2-3® by voice. What's more, you can speed up the time it takes to do your work by creating voice-activated commands using the program's macro-building feature.

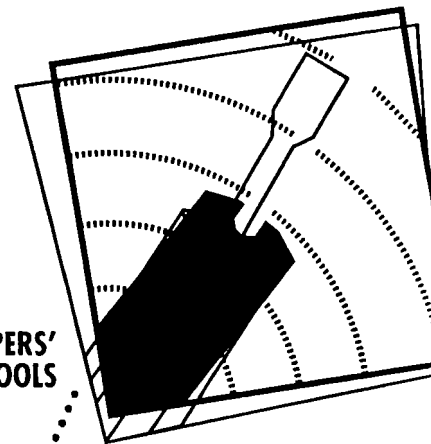
DragonDictate systems come with an active base vocabulary of thousands of words that you can customize with your own specialized or job-related words. An extensive pronunciation dictionary makes replacing words easy. The system adapts to your voice, vocabulary, and work environment.

Available through Dragon Systems Authorized Resellers, DragonDictate systems work on an IBM®-compatible PC with a 486 running at 33MHz recommended, MS-DOS, a Dragon Systems certified speech board, and a microphone. Depending on the system, minimum 8-12MB RAM and 17-20MB hard disk space plus 3-5MB for each user file and 3-5MB to backup each user file are required.

DICTIONATION



**DEVELOPERS'
TOOLS**



**Build voice-aware
applications and interfaces**

Dragon VoiceTools™ A Software Developer's Kit

With Dragon VoiceTools™, C programmers can speech-driven user interfaces to their Windows MS-DOS® applications, providing their customers the ability to talk to their computers instead of type. Speech recognition can be incorporated as the primary input mode or integrated with other interfaces including a mouse, pen, or keyboard.

A kit for developers, Dragon VoiceTools is a collection of hardware and software. The Developer System provides tools for defining the application while the runtime User System comes with the Dragon Systems Driver software and microphone.

Dragon VoiceTools offers an extensive library of recognition functions and a pronunciation dictionary of 110,000 words with speaker-independent acoustic models. You can build applications containing up to 1,000 words active at a time, with speaker-dependent recognition, and continuous speech recognition to facilitate numeric data entry.

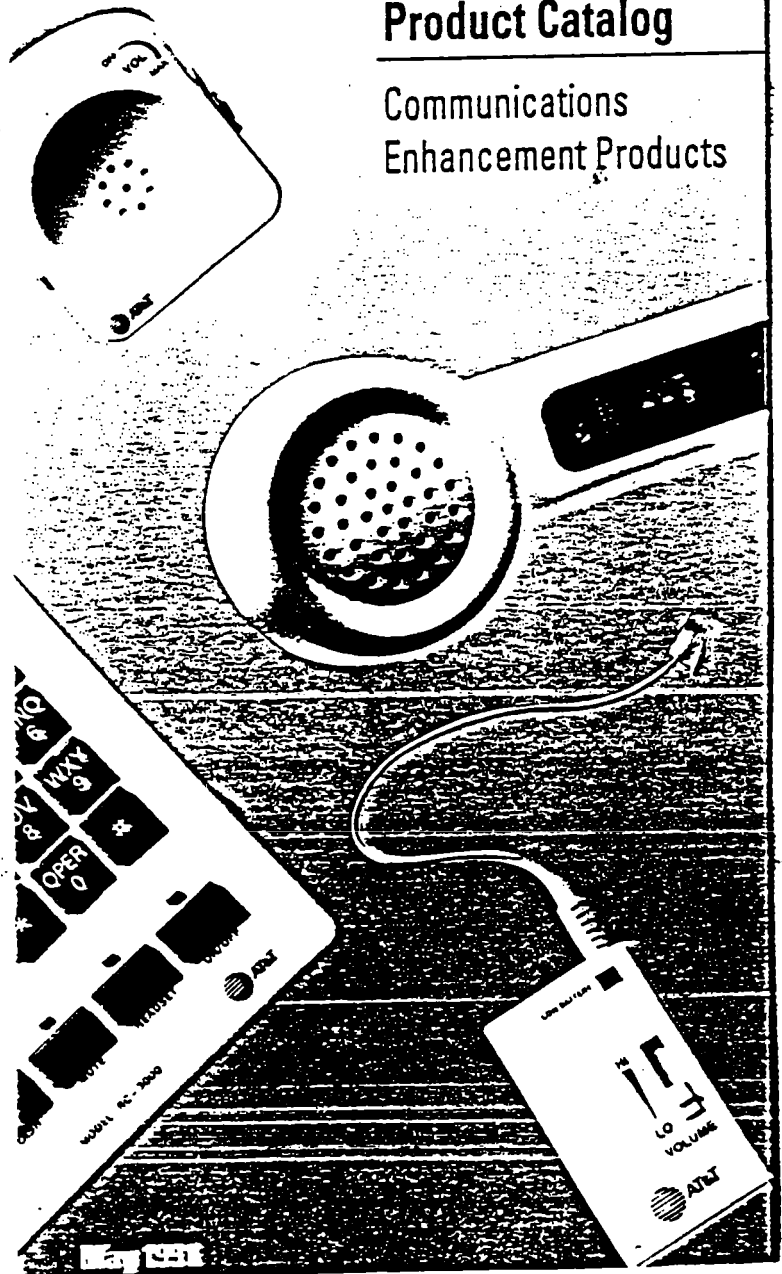
Dragon VoiceTools is available through Dragon Systems. The Developer System requires an IBM®-compatible 386 or higher, minimum 20MHz, 5MB RAM, and 17MB free hard disk space plus 2MB to compile example programs, and a Dragon Systems certified speech board such as an IBM® M-ACPA.

Specifications subject to change without notice. Dragon Systems and its products are registered trademarks and DragonTalk>To, Dragon VoiceTools are trademarks of Dragon Systems, Inc. All other trademarks and registered trademarks are the property of their respective owners.



Special Needs Product Catalog

Communications
Enhancement Products



May 1991

Communications Enhancement Products

The AT&T Special Needs Catalog focuses on products that have been designed to enhance the day-to-day communications of:

- People who have disabilities
their families and friends
their businesses and professional associates
- People who want to increase the sound level of
their existing telephones
- People in noisy environments

The products featured in this catalog serve people with disabilities and special needs by providing alternative solutions and enhancements to traditional means of communications.

AT&T provides many services to meet the special needs of its customers. The AT&T National Special Needs Center is available to assist you with any questions or problems concerning AT&T products or services. Call the **AT&T National Special Needs Center** to discuss all of your communications needs. An AT&T Representative will be available to assist you.

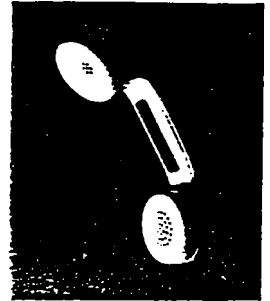
The AT&T National Special Needs Center is open Monday through Friday, 8:30 a.m. to 7:00 p.m. EST.

Call Toll Free
Voice 1 800 233-1222
TDD/TTY 1 800 833-3232

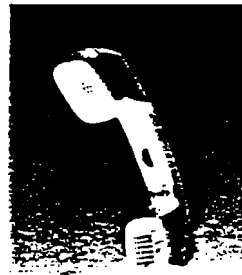
Amplified Handsets

G-6 Standard Handset For Hearing Amplification*

Adjusts the volume of incoming voice up to 20db amplification. This unit is ideal for people with hearing impairments, noisy environments or low level line transmission. For use with non-electronic telephones. Available in black, white, ivory and beige.



* Product uses reconstructed components that are refurbished to AT&T's quality standards.



K-6 Contemporary Handset for Hearing Amplification

Adjusts the volume of incoming voice up to 20db amplification. This unit is ideal for people with hearing impairments, noisy environments or low level line transmission. For use with non-electronic telephones.

Specifically made for use with multi-line business or standard modular telephone sets. Available in ivory.

G7 Standard Handset for Speech Amplification

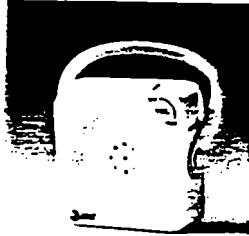
Adjusts the volume of outgoing voice. This unit is ideal for people who wish to amplify the sound of their voices for those receiving their calls. For use with non-electronic telephone sets. Available in black, ivory and beige.



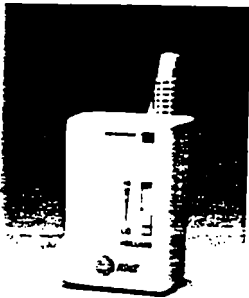
Amplification Devices

Portable Telephone Amplifier

The adjustable volume control allows you to amplify the incoming portion of your conversations by as much as 20db. Makes almost any telephone compatible with inductively-coupled hearing aids.



- Adjustable volume control to meet personal amplification requirements
- Fits easily and securely onto telephone handsets
- Works with or without an inductively coupled hearing aid
- Lightweight, rugged construction for easy, reliable portability
- Comes with its own carrying case, additional strap and AAA battery



Auxiliary Amplifier

An alternative to amplification handsets, the auxiliary amplifier attaches directly to the handset cord, increasing the volume of the incoming voice by as much as 20db. Ideal for people with hearing impairments, noisy environments or low level line transmission.

- Adjustable listening level
- Compatible with all AT&T telephones except Trimline[®] phones
- Adhesive strip for easy installation
- Battery powered (9V battery not included)
- Automatically turns on or off to conserve battery power

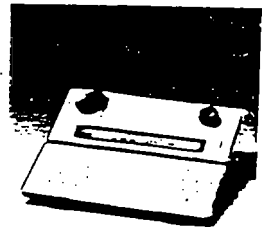
[®] Registered trademark of AT&T

Telecommunication Devices for the Deaf

AT&T TDDs make business and personal communications clear and effective. TDDs from AT&T provide quality and affordability. All TDDs have a standard four-row typewriter-style keyboard and a lighted display with blinking cursor for easy readability. All TDDs operate on regular household current as well as with rechargeable batteries. AT&T TDDs provide a quick, easy link from anywhere in the world to wherever there is a compatible unit.

TDD 2930

This miniature and lightweight unit (1 L. 4 pounds) fits easily into a briefcase and opens to reveal a standard keyboard and display. This TDD allows you to communicate in both Baudot (TDD) and ASCII (computer) codes.



Particularly useful for the business traveler and those who use electronic mail.

- Lighted display shows two 40-character lines
- 32K memory allows you to create, store and send information
- Memo feature allows you to create memos in advance, and transmit them during telephone conversation
- Directory feature for storing names and phone numbers
- Time date stamp
- Announcer sends prerecorded voice message alerting hearing person to TDD use
- Signal indicator shows dial tone, ringing and busy signal
- Sensitivity switch to improve reception
- Low battery indicator
- Flexible handset coupler fits both round and square handsets
- Automatic shut-off saves battery power

Telecommunication Devices for the Deaf



TDD 2700

Our best selling TDD, ideal for people who want an easy to use, lightweight (2 1/2 pounds) portable unit.

- Easy-to-read 20-character fluorescent display
- Signal indicator shows dial tone, ringing and busy signal
- Sensitivity switch to compensate for static on telephone line
- Connection for attaching an external printer
- Low battery indicator
- Flexible handset coupler fits both round and square handsets

Memory Printer 20D (MP20D)

This full feature printing TDD includes its own telephone, memory dialing and answering system. Printer uses upper and lower case printing to distinguish between incoming and outgoing messages.

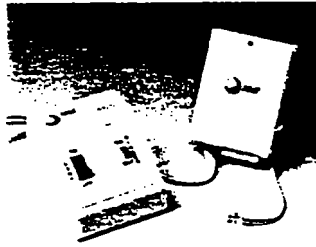


- Automatic answering and recording of messages
- Remote message retrieval
- 20-column, built-in printer to review and save conversations
- Easy-to-read 20-character fluorescent display
- Direct connect keyboard dialing with dual modular jacks
- Selectable tone, pulse dialing
- Directory feature for storing 9 phone numbers
- 2K memory allows you to create, store and send messages
- International Code capability

Signaling Products

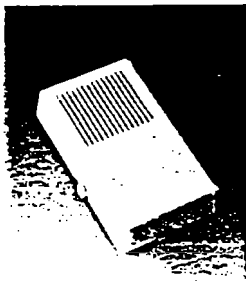
SignalMan[®] Control Unit

Alerts the user to an incoming call by causing a lamp to flash on and off with each ring of the telephone. The perfect companion for users of a TDD. Ideal for use in noisy environments.



- Easy to install, connects to any modular phone
- Works with any electric household lamp
- Ringer ON-OFF button
- Convenient lamp ON-OFF switch for normal lamp use

® SignalMan is a registered trademark of AT&T



Bell Ringer

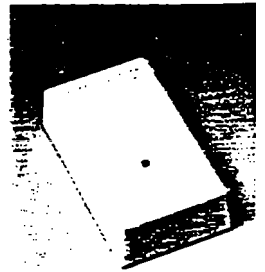
The AT&T Auxiliary Bell Ringer offers the perfect answer for those seeking the traditional "bell ringing" sound from modern telephones. Easily plugs into your existing modular telephone.

- Adjustable volume control
- Designed for outdoor use in protected areas as well as indoors

Signaling Products

Tone Ringer

Concentrates the sound energy of a regular telephone ring into a frequency range which may be more easily heard by people with hearing impairments. The Tone Ringer adjusts to a volume which is comfortable for the user, or can be completely turned off.



- Three volume settings
- Easy wall or table installation with most modular telephones
- May be used outdoors in protected areas

Assistive Telephone



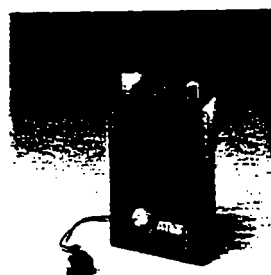
RC-3000 Speakerphone

The RC-3000 Speakerphone is designed to meet the special needs of persons with motion impairments, enabling them to place or receive telephone calls independently.

- Auxiliary switch jack accepts customer-provided assistive* switch to activate phone
- Automatically dials the first telephone number in memory 3 seconds after the phone is activated
- Remembers 18 numbers for automatic one-touch dialing
- Selectable tone/pulse dialing
- Extra large buttons with non-slip surfaces
- Speaker volume control
- Enhanced voice response switch for incoming voice
- Last number redial
- Mute button for privacy
- Flash button for access to custom calling features
- Headset jack and lapel tie clip microphone jack
- Emergency battery power with "AC-ON" indicator

* Assistive switches allow the motion disabled person to activate the telephone.

Assistive Listening Products



PockeTalker™ Listening Device

A compact, lightweight, personal listening aid. Voice, television and radio sound levels are amplified to a pleasing level.

- Personal amplifying device
- Reduces annoying background noise

- Variable volume control
- Can be used with or without hearing aids

™PockeTalker is a trademark of William Sound Corporation

TeleCaption™ 4000 Decoder

Displays closed captions as text on the lower portion of your TV screen when viewing a Closed Caption television program or video movie. Its small size and light weight make it truly portable and easy to carry between TVs in the living room and bedroom, or to take traveling.



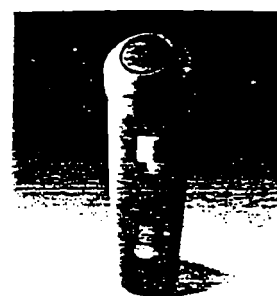
- Decodes Closed Captioned programming
- Fully compatible with TVs, VCRs, cable and satellite receivers
- Fast, simple TV connection and operation
- Remote control of channel selection, volume and on/off
- Large easy-to-read LED digital channel select readout and quartz tuning

™TeleCaption 4000 is a trademark of the National Captioning Institute

Artificial Larynx

SE Artificial Larynx

A hand-held speaking aid that simulates the natural vibrations of voice, for people who are unable to use their larynx. Users press the unit against the throat and form words with the mouth to simulate speech.



- Provides voice simulation with adjustable pitch suitable for both men and women
- Combined voice activation and pitch control in a single switch
- Lightweight unit fits comfortably in the hand and is easily carried in a pocket or purse
- Easy to replace 9V transistor battery
- ON-OFF switch helps conserve power

Warranty Information

All products sold come with complete warranties. You may obtain a free advance copy by calling or writing to:

AT&T National Special Needs Center

2001 Route 46, Suite 310

Parsippany, NJ 07054-9990.

Call Toll Free

Voice 1 800 233-1222

TDD/TTY 1 800 833-3232

Selectable dialing works with rotary and tone phone service. Tone service is required to access certain long distance and other services and some tone-activated computer systems.

All AT&T telephone products are FCC registered.

Many of the products in this catalog are made outside the U.S. For more information, contact the AT&T National Special Needs Center or your AT&T Account Representative.

ACCOMMODATIONS

The following is a list of some possible accommodations that may assist people with a variety of disabilities. Estimated costs are indicated where known. This list is not all inclusive. Generally, accommodations should be tailored individuals' specific needs.

DISABILITY	ITEM	ESTIMATED COST
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Low Vision	Closed Circuit TV (video magnifier for hard copy documents and objects)	\$2000
Low Vision	ZoomText Extra (screen enlarging software)	\$500
Vision	Monitor Magnification Screen Covers and Glare Guards	\$100
Low Vision/Blindness	Screen Scanners/Readers	
Blind	Portable Braille Note Taker	
Hearing/Speech	TTY/TDD	\$400
Hearing	Assistive Listening Device	\$1500
Hearing	Speech Amplification Telephone	
Dexterity	Keyboard Enhancement Software Program	
Mobility	Dragon Naturally Speaking (Preferred or Professional Editions) Speech Recognition System	\$700
Mobility	Ergonomic Keyboard	\$300
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Mobility	Foot Rest	\$40