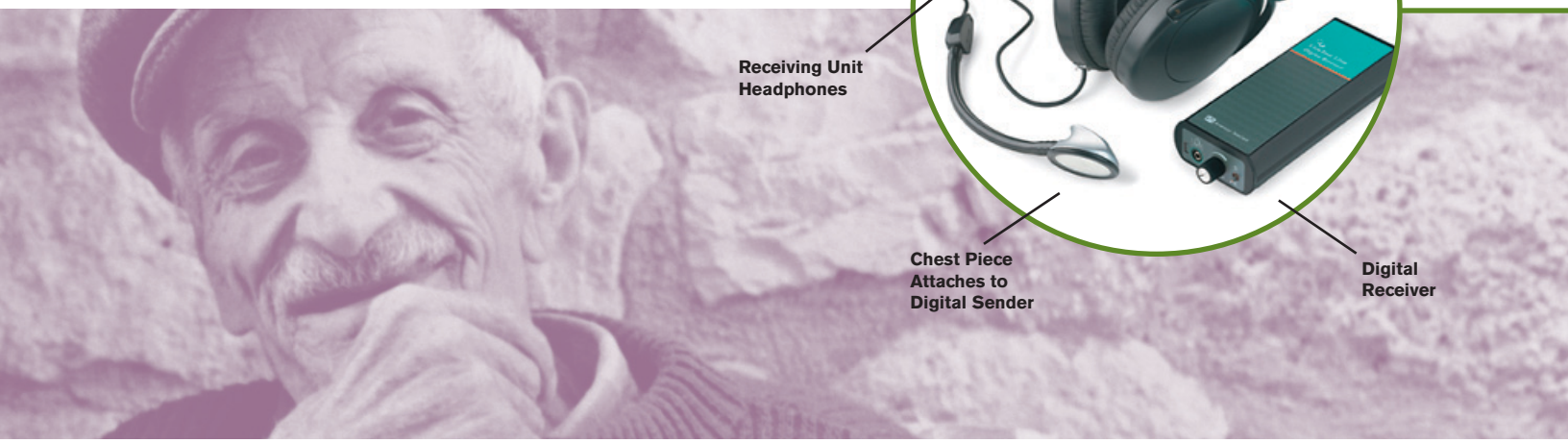
CareTone®
Telephonic Stethoscope

ati AmericanTeleCare®



Live, real-time heart and lung sounds via telephone

American TeleCare's® patented family of CareTone® Telephonic Stethoscopes allows high-quality, real-time heart, lung and bowel sounds to transmit over a standard analog or digital telephone line. The CareTone Stethoscope comes standard with the 1010 Video Patient Stations and is an integral part of any total telemedicine program. It may also be purchased separately.

The excellence of this industry-leading stethoscope has been recognized by institutions such as NASA, which employed the device in its space shuttle program. The CareTone also has been integrated into many institutional and prison telemedicine programs both nationally and internationally.

Features of the CareTone Telephonic Stethoscope for telemedicine applications

The American TeleCare patented CareTone Telephonic Stethoscope transfers high-quality real-time heart, lung, and bowel sounds over ordinary (POTS) or digital (DSL, ISDN, T1) telephone lines, allowing this essential component of a medical assessment to be part of your home telemedicine program.

The CareTone Stethoscope consists of a sending and receiving unit and is designed for simplicity of use. The sending unit contains a high-quality chest piece, a power indicator light and stereo headphone jack for consolation where there is a clinician at both the remote and central sites. The receiving unit includes headphones, volume control and a switch to select either bell or diaphragm frequency sounds.

The CareTone Telephonic Stethoscope will interface with most existing telemedicine systems.

CareTone® Telephonic Stethoscope

Specifications:

CareTone

- Size:
  1.4" x 2.6" x 9.3"
- Weight:
  0.8 lbs.
- Power:
  +12 V DC from wall mount power supply
- Interface:
  RJ-11C to POTS (ordinary telephone line)
- FDA Clearance Class II Device
- Frequency Range:
  Size: Bell - 20Hz to 250Hz; Diaphragm - 20Hz to 500Hz
- Applications:
  POTS or ISDN/TI video-conferencing networks (using Multi-point Control Units which do not pass auxiliary data channels)

CareTone Ultra

- Size:
  1.4" x 2.6" x 6"
- Weight:
  0.8 lbs.
- Power:
  +12 V DC from wall mount power supply
- Interface:
  DB-9 to data channel of POTS or ISDN/TI video conferencing at 9.6 kbps
- FDA Clearance Class II Device
- Frequency Range:
  Size:
  Bell - 20Hz to 250Hz; Diaphragm - 20Hz to 500Hz
- Applications:
  POTS or ISDN/TI video-conferencing systems with data channel

CareTone IP Software:

American TeleCare's CareTone IP Software enables transmission of auscultation sounds from the CareTone and CareTone Ultra Digital Telephonic Stethoscope over an IP network.

The CareTone stethoscope sending and receiving units attach to networked PCs via the COM port. The stethoscope data is put into IP packets for transmission between stations over an IP network.

This facilitates the direct integration of the CareTone stethoscope with a PC-based telemedicine system using IP as the network communications protocol.

CareTone IP Software is available as an accessory with the purchase of the CareTone Ultra Digital Telephonic Stethoscope.

For detailed instructions in system operation, specifications, warnings, cautions, and additional information, please refer to the *Operators Manual* supplied with each product.

American TeleCare offers home telehealth programs tailored to your patient population and business models that include a variety of audio/video and monitoring stations with medical peripherals. Backed by superior customer service and technical support, American TeleCare solutions are at work helping to improve clinical outcomes, decrease costs, and increase clinician and patient satisfaction.

For more information, or to arrange an assessment to explore the advantages of home telehealth for your organization, call 1-800-323-6667.

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Practical solutions. Positive outcomes.™

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