Aerotel Medical Systems

Product Overview

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For additional information on the system components described in this document you are welcome to visit our Website at: www.aerotel.com or to contact us directly at info@aerotel.com.

The quality systems of Aerotel Medical Systems conform to ISO 9001:2000,

ISO 13485:2003, MDD93/42/EEC.

Specifications are subject to change without prior notice.

1. The World of Telemedicine

Telemedicine simply means "medicine at a distance". Also referred to as telehealth or e-health, telemedicine combines information and communications technologies to enhance the quality, availability and efficiency of healthcare delivery. Telemedicine connects patients with healthcare providers, any time, any place. Telemedicine services enable new forms of care provisioning as well as preventive care. This constitutes an evolution in care from the hospital to the community clinic and on to the patient's home.

Telemedicine is growing on a global scale. Telemedicine resolves the quandaries of healthcare agencies on how to deliver cheaper and more responsive medical services, particularly in an environment of increasing costs and an ageing population. After centuries of delivering health care in hospitals, healthcare providers are now shifting emphasis towards treating patients in their homes.

Telemedicine applications provide the means to leverage healthcare processes that can improve access to care and facilitate collaboration among healthcare providers. Whether used to deliver care, provide information, monitor patients' progress, or provide access to patient records, telemedicine can reduce cost and improve care. Additional benefits for healthcare providers and patients alike include: increased cost efficiency, reduced transportation expenses, improved patient access to specialists, improved quality of care, and facilitating the opportunity for early discharge from hospitals.

Studies show that monitoring patients at home, instead of having to rely on repeated hospital visits, increases patients' satisfaction and compliance, decreases complications, eliminates re-admissions to hospital and decreases overall hospitalization costs.

In a large-scale field study completed by the NorthWest NHS (British National Health Service) which dealt with "Cardiac Telemedicine in Primary Care", the researchers concluded:

> "One of the prime aims of the research [use of telemedicine equipment for undertaking cardiovascular diagnosis and monitoring for patients with cardiac conditions within the home/community environment] was to establish whether there were any benefits to be gained from this way of working. The audit has demonstrated that telemedicine ECG is easy to use in practice and is a valuable tool to support clinical decision-making and better outcomes for patients. As such we believe that it supports the NHS in its ability to deliver benefits to patients, caregivers and professionals."
>
> "The telemedicine service provides accuracy, consistency and reliability for the clinicians. Many doctors find interpretation of ECGs difficult, especially for minor but potentially clinically significant changes that can occur, nurses are not trained to interpret ECGs unless working on specialized cardiac units and so confidence for diagnosis is often placed in the conventional machine's inbuilt electronic readers which may be misdirected by electrical interference or previous changes which may no longer be relevant to the acute presentation. The use of this new service provides direct interpretation of a high quality ECG by clinical teams trained in the skill of ECG interpretation. In addition, they are aware of the patient's clinical symptoms and so can provide the treating clinician with support for the patient's management plan."

The study calculated that each walk-in centre could save, annually, almost £ 4,000 and extrapolated to a national level, the annual savings could exceed £ 45 million.

Telemedicine enables medical staff to work more effectively and to focus on their core skills, while specific monitoring or diagnostic processes can be automated for patients' self management. Furthermore, certain hospital-related functions can be outsourced to specialized organizations that provide remote homecare and monitoring services.

Service providers, employing telemedicine monitoring, offer improved homecare as well as emergency response and critical life saving treatment to people at high risk. Patients are equipped with medical devices that transmit data over a variety of mobile devices and enable the physician to determine the necessary treatment.

2. Aerotel Medical Systems: Your Partner in Telemedicine

Aerotel has been a recognized world leader in telemedicine for more than 15 years. We support our customers in establishing medical Call Centers that provide remote monitoring services for private or institutionalized patients. These Call Centers provide diagnostic and/or emergency monitoring services to physicians, hospitals, private citizens, rural clinics and the like. They provide a variety of services for various monitoring needs: from a simple patient follow-up requiring a medical test, to chronically ill and high-risk patients suffering from heart disease and cardiac symptoms, hypertension, respiratory problems, etc.

Aerotel leads the market in cost-effective high-quality telemedicine solutions. Our user-friendly, compact systems ensure optimal performance and maximum reliability for continuous long-term monitoring. Aerotel's systems are in use by clients in more than 40 countries, on every continent, around the globe.

Aerotel also offers consulting services for clients wishing to establish their own Call Centers from the ground up.

3. Aerotel's Telemedicine Systems

Aerotel's Telemedicine solutions provide a set of comprehensive telemedicine systems for a variety of remote diagnostic, emergency service and monitoring applications. Aerotel's Telemedicine systems combine advanced sensors with communication technologies to enable medical professionals to monitor their patients and to effectively intervene in the event of an emergency. Aerotel's systems include a comprehensive range of medical monitoring and diagnostic devices, communications hubs and related receiving software programs that store and integrate clinical data, organize of medical information, provide data management services and enable immediate response.

Aerotel's medical equipment is cleared by the FDA for marketing in the United States and also carries the CE mark indicating conformance to European standards. Most of the products are also approved for use by other regulatory bodies.

Aerotel offers three comprehensive telemedicine systems:

- **HeartLine™** – An ECG monitoring solution for on-going monitoring, primary care, and supervision of high-risk patients who may require immediate intervention in emergency situations.

- **e-CliniQ™** – A multi-parameter monitoring solution providing a range of services from preventive monitoring to supervision of chronically-ill patients – including routine monitoring of various medical parameters, such as blood pressure, SpO_2, weight, etc.
- **LifeCare™** – A personal emergency response system, including medical alert and social alarm systems.

These three systems include monitoring devices for the patient's home or point of care (e.g. a nursing home or a public clinic) and a computer-based receiving system for the monitoring Call Center. An optional feature, Aerotel-Net™ enables secure remote Web-based access to stored information.

The HeartLine monitoring solution has been designed with an inherently flexible structure such that a system can be extended, beyond the scope of cardiac monitoring, to include many of the monitoring features of the e-CliniQ line.

Each system includes the following components:

- **Medical receiving station including Aerotel-Net Web-based access** – for remote monitoring, storage and analysis of patients' data.
- **Patient monitoring devices** – sensors for monitoring medical parameters at patients' homes (or public clinics).
- **Clinic and home-based data acquisition and transmission hubs** – collecting medical data from the sensors and transmitting over phone lines or the Internet to a remote medical Call Center.

4. HeartLine™ Monitoring System

4.1 HeartLine Overview

Aerotel's HeartLine ECG remote monitoring system is designed to support various diagnostic, and monitoring applications. It is composed of a complete range of personal 1 to12 lead trans-telephonic devices for variable remote diagnostic service applications. Each service subscriber (e.g. clinic, private patient) is supplied with a compact, easy-to-use monitor that is always at his/her reach.

The recorded ECG signals are transmitted, over the telephone fixed lines or cell depending on the Heartview model been used by the client or the Internet in the case of clients using the HRS-HRR, to a medical center, where a computer-based ECG receiving station receives the transmitted ECG and displays it. The monitors enable subscribers to record an electrocardiogram in roughly 50 seconds and transmit the data to the Call Centre, via telephone, from any part of the country and even abroad.

Data is provided in a proprietary format (HRT) that ensures a particularly high-quality image. In addition, data can be sent to PDAs and other mobile devices, with appropriate-re viewing capabilities, as JPG or PDF files.

In a crisis situation, the Call Center's medical team may activates emergency procedures enabling the patient to receive immediate treatment If needed, all of the data can be viewed on the Internet using Aerotel's HRS-Net software for Internet

access to medical files from any location. As a result, regardless of their physical location, this type of service enables general practitioners (GPs) and medical staff to offer patients immediate assistance for treatment and evacuation, consultation, or a routine examination.

In remote locations or in countries where there is a dearth of health professionals (primarily specialists), this Call Center acts as a lifeline by providing support information to GPs around the country and giving them an immediate, on-line response to medical examinations sent to the center.

The Call centre may be used in an ”automatic” mode, where ECGs are received digitally (via the HRS-HRR; Medi-CliniQ; HRS-VRM or the Heartview P12/8 plus BT) and placed in the client’s patient file either as a private user or a corporate user in the case of clinics and companies. The received data can be immediately seen using the HRS-Net module online.

4.2 HeartLine Receiving Solutions

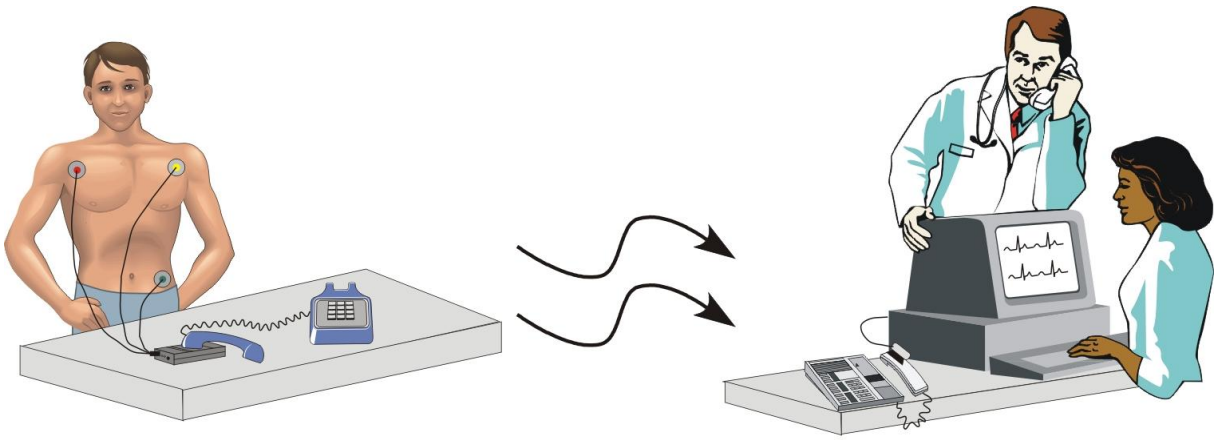
Aerotel’s HeartLine system enables ECG monitoring of individuals and mass screening by Call Center applications for immediate diagnosis of subscribed patients in the event of cardiac conditions. It can also be used by hospitals for outpatient follow-up, thus facilitating early patient release from hospitals, and in turn, helps reduce costs.

4.2.1 HeartLine Receiving Station (HRS) ™

The HeartLine Receiving Station is Aerotel's core acquisition and management center. Easy to operate, it can be connected to any standard PC (in accordance with Aerotel’s requirements). Designed for long-term use, the system's database offers various access and management options. HRS supports Aerotel's entire line of HeartLine monitors. Additionally, several systems can be networked in order to support large-scale service operations.

The HRS is available in a variety of European languages, in addition to English, such as Russian, Italian, and Spanish.

The following illustration shows a typical HRS configuration.



Heartline Monitor In Use

Heartline Receiving Station

4.2.2 HRS-Net™

HRS-Net™ is an add-on element essential for remote access by authorized users (patients, physicians, or companies) to view data on the Web. Medical files can be viewed on the Net from any location. Regardless of their physical location, HRS-Net enables physicians and medical staff to offer patients immediate assistance, treatment and evacuation, consultation, or a routine examination.

4.2.3 HRS Remote Receiver (HRR™)

The HRS Remote Receiver is a multi-functional remote receiver software package designed for clinics and physicians. It can acoustically record, display, print and transmit patient's ECG signal over the Internet to the Call Center. HRR ensures automatic reception of the ECG at the Call Center and thus facilitates prompt control of a patient's health condition.

4.2.4 Voice Receiving Module (HRS-VRM™)

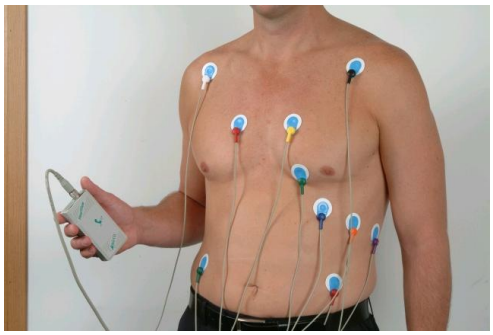
The Voice Receiving Module enables medical Call Centers to receive phone-transmitted ECG signals automatically, without an operator's intervention, at a medical center. When a patient calls the Center to transmit his/her ECG, the VRM module automatically answers the call. The signal is then stored with the patient's ID and timestamp in the patient's record for later retrieval and analysis by a medical professional.

4.3 HeartLine Monitoring Devices

The following sections present descriptions of various monitoring elements of the HeartLine Monitoring System.

4.3.1 HeartView™ 12-Lead ECG Recorder/Transmitter

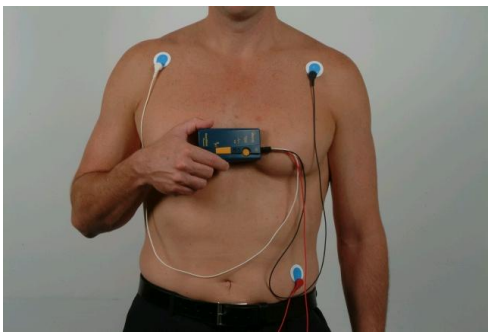
The HeartView™ 12-Lead ECG Recorder/Transmitter is a trans-telephonic 12-lead ECG monitor and the market's smallest professional ECG trans-telephonic recorder/transmitter. HeartView enables the transmission of comprehensive ECG data from any place and at any time. Users position the 10-wire patient cable that comes with the unit, to simultaneously record a 12-lead ECG. The recorded ECG is transmitted over the phone, and received through an acoustic coupler connection at the HeartLine Receiving Station (HRS) for immediate diagnosis. HeartView includes an option for digital transmission.



4.3.2 HeartView™ P8/12 Plus

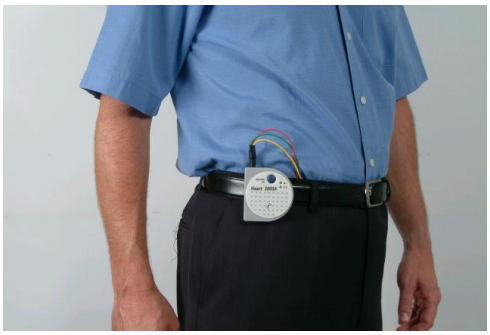
The HeartView™ P8/12 Plus is a trans-telephonic personal 12-lead ECG monitor, available in various models. This small, easy-to-operate ECG puts patients in control and provides physicians with a clear, comprehensive ECG graphic recording. Operating the HeartView P-12/8 Plus requires very little effort. The patient simply records a 12 or 8 lead ECG by using a 3-wire patient cable and the four embedded electrodes on the back of the unit. The recorded ECG is then transmitted through the phone to Aerotel's HeartLine Receiving Station (HRS) for immediate diagnosis.

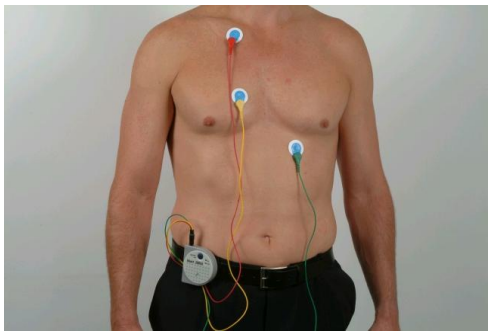
The HeartView™ P8/12 Plus with the Bluetooth option can send the ECG, to the HRS via the mobile network.



4.3.3 Heart 2005A™

The Heart 2005A™ is a user-friendly single-lead pre/post loop event recorder for accurate documenting of transient cardiac events. Heart 2005A is the answer for long-term trans-telephonic monitoring. Simple to use, the patient presses a button once symptoms begin in order to record all pre- and post-ECG segments. By pressing the "Transmission" button, the patient sends the recorded ECG over the telephone to Aerotel's HeartLine Receiving Station (HRS) for immediate diagnosis.



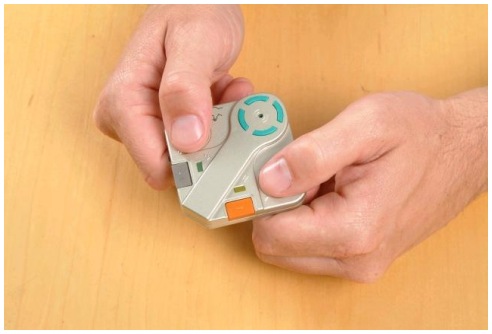


4.3.4 Heart 2006™

The Heart Loop 2006™ is a long-term Trans-telephonic dual lead pre/ post ECG loop event recorder. This device is the solution of choice for documenting transient cardiac symptoms and their correlation to the patient's ECG. User-friendly and reliable, it provides 2-lead loop recording information to satisfy most of a cardiologist's demands.

4.3.5 HeartOne™

HeartOne™ is a pocket-sized, trans-telephonic ECG event recorder/transmitter. It is unique in its portability and capability of maximizing patient mobility – it does not require a patient cable. It is so small that it easily fits into a pocket, making it readily available for use at any time and any place. Patients simply place two thumbs on designated electrodes and push one button to record a rhythm lead. Recorded results can be transmitted to the HeartLine Receiving Station (HRS) from any standard telephone. HeartOne can be supplied with a patient cable designed to address high quality ECGs and people with special needs, such as pediatric usage.



5. e-CliniQ System for Multiple Parameter Monitoring

5.1 e-CliniQ Overview

Aerotel's e-CliniQ medical parameters monitoring system is used for remote monitoring of vital signs that do not require an immediate response. Data collected at patients' homes or a remote clinic, by a monitoring device – including information from compatible HeartLine devices – is acquired by a hub (e.g. Tele-CliniQ™ or Medi-CliniQ™) from which it is transmitted, over phone lines or the Internet, to the Call Center where the e-CliniQ receiving software is installed.

The monitored parameters allow health care organizations and physicians to successfully manage diagnostic services for patients at home or in remote clinics and to follow-up care of their patients' chronically ill. Using Aerotel's MPM™ software (described in section 5.2.1), the monitoring service center automatically stores the data in electronic patient files. As a result, physicians are able to review the medical parameters (such as blood pressure, blood glucose levels, oxygen saturation, and more), effectively track patient adherence to medication regimes, etc.

In a typical usage of e-CliniQ in a Call Center environment, data is received from different senders scattered throughout a region or a country. Several working stations are ready to receive incoming calls with various medical parameters. The number of working stations depends on anticipated traffic as well as on the actual configuration of the Call Center and means of networking used (phone lines, Internet, etc.). The working stations are always connected to the server and are thus continuously synchronized.

5.2 e-CliniQ Receiving Solutions

Aerotel's e-CliniQ Receiving Solutions enable remote, on-going, non-urgent monitoring of vital signs in patients. e-CliniQ solutions have been specifically designed for situations which are not life endangering and that do not require an immediate response.

5.2.1 e-CliniQ MPM Call Center

The e-CliniQ MPM Call Center serves as the receiving center for e-CliniQ medical parameters monitoring and disease management. Easy to operate, it can be applied to any standard PC equipment (complying with Aerotel's minimum requirements). Comprised of an MSSQL Database server and workstations connected in a network configuration. It is designed for long-term use and offers various access and management options. The MPM application is intended for:

- Call center applications for immediate diagnosis of subscribed patients
- Hospital out-patient follow-up
- Primary care units, live mobile units
- Early patient discharge from hospitals
- Pharmaceutical companies to perform drug compliance
- Digital data transmission for offline analysis and reducing costs of employing professional staff at Call Centers
- Data access through the Web for subscribed patients and their physicians
- CHF patient follow-up

5.2.2 MPM-Net

Aerotel's MPM Net system is an add-on element often essential for remote diagnostics because it enables authorized users to display MPM data on the Web. Users can be patients and/or physicians. Patients use the Tele-CliniQ or any Home Hub Communicator (refer to sections 5.3.1, 5.3.2 and 5.3.3) and Medi-CliniQ (refer to section 5.4.3) devices as data transmitters in order to send test results to the MPM Call Center. MPM Net displays all values stored in the Call Center's database. The MPM-Net provides:

- Instant viewing via the Web of incoming values for the following parameters:
  - Blood pressure
  - Precision Weight
  - Blood glucose
  - SpO2
  - Spirometry values
  - Temperature (to be added shortly)

- Remote monitoring of chronically ill patients
- Primary care system for remote areas

5.3 e-CliniQ System Communication Hubs

Aerotel offers a wide range of data communications hubs for various applications and communications means.

- Tele-CliniQ™ for telemedicine applications using fixed phone lines.
- Tele-Modem™ for advanced data transfer using fixed phone lines.
- Connect-LAN™ for advanced data transfer using Internet connection.
- Medi-CliniQ™ for public use, using Internet connection.
- Home-CliniQ™ for families, using Internet connection.

5.3.1 Tele-CliniQ™

Tele-CliniQ™ is Aerotel's personal data communicator hub and acquisition center intended for homecare use. It provides multiple data access points for connecting multiple sensors to a single-patient for chronic care and disease management.

Tele-CliniQ significantly eases the burden of monitoring medical parameters of chronically ill patients, while enhancing their quality of life. An easy-to-use multi-parameter communicator, it can simultaneously transmit data from up to four medical devices connected to the MPM Receiving Center. Once measurements have been recorded into each connected instrument, the user simply presses the "Start" button to activate parameter reading and transmission. Equipped with an internal memory and real-time clock, its automatic data transfer is reliable and minimizes human error. Tele-CliniQ streamlines medical management because it is both time and cost effective.

Tele-CliniQ consists of a small control box connected to monitoring devices via a serial or Bluetooth interface. It connects directly to a home phone jack with its built-in modem. It can be simultaneously connected to four different monitoring devices (sensors) with a variety of 15 compatible devices to select from.

Tele-CliniQ offers the best "total cost of ownership" solution for home monitoring of medical parameters and provides the best means to monitor the chronically ill patient.

The following data can be collected from external devices:

- ECG
- Blood pressure
- Weight
- Blood glucose
- SpO2
- Respiratory peak flow
- Temperature (to be added shortly)

Please contact your Aerotel agent for an up-to-date list of supported devices.

5.3.2 Tele-Modem

The Tele-Modem Personal Home Hub Communicator can simultaneously transmit data to Aerotel's Receiving Center (or to any other system as needed). Once measurements have been recorded into each connected instrument, the user simply presses the "Start" button to activate parameter reading and transmission. Equipped with an internal memory and real-time clock, its automatic data transfer is

reliable and minimizes human error. Tele-Modem runs on batteries or an external power supply. It was especially designed to enable Bluetooth device operation.

Please contact your Aerotel agent for an up-to-date list of supported devices.

5.3.3 Connect-Lan

Connect-LAN Personal Home Hub Communicator provides global connectivity for information transmission and retrieval. Users are able to easily relay data via the Internet to a central acquisitions center. Similarly, those on the receiving end can access the information from any point on the globe.

5.3.4 Medi-CliniQ™

Medi-CliniQ™ is Aerotel's multi-patient data communication hub and acquisition center intended for public use (e.g. remote areas clinics, assisted living homes, etc.). It provides multiple data access point (multiple sensors) for multiple-patient use.

Medi-CliniQ consists of PC-based software and a USB junction box for connecting up to eight monitoring devices to a PC using serial I/O ports or a Bluetooth interface. It is used for the transmission of up to eight measured medical values, which are then transmitted to the Call Center over the Internet. It is essentially a multi-user version of the Tele-CliniQ that can be used in public places such as community clinics, assisted living, pharmacies, etc.

The remote or public clinic has a PC station linked to the Medi-CliniQ which is, in turn, connected to the monitoring devices. Patients using the Medi-CliniQ can be identified by a unique personal ID number or (in the future) by using a smart card reader option. Patients can take the measurements with the help of a nurse or other clinic personnel. The data is then automatically transmitted over the Internet to the receiving Call Center, where it is stored in the patient's medical record. This data becomes available for evaluation by a physician at the Call Center or at a remote location.

Medi-CliniQ can be connected (at this time) to any combination of the following monitoring devices:

- ECG (1-12 leads)
- Blood glucose or Ketone monitoring sensor
- Blood pressure monitor
- Weight scale
- Pulse oximeter
- Spirometer

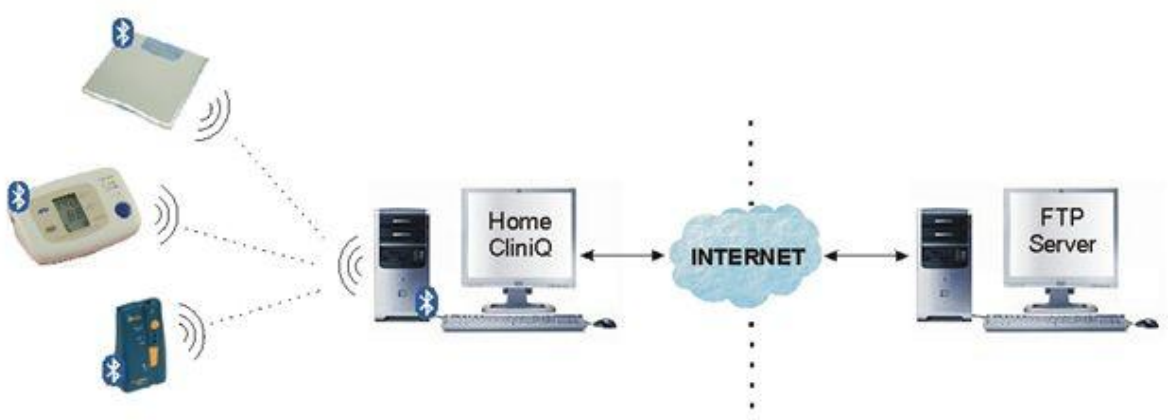
Please contact your Aerotel agent for an up-to-date list of supported devices.

5.3.5 Home-CliniQ™

Home-CliniQ™ is application software that transforms any home PC into a medical data acquisition hub. Home-CliniQ allows the monitoring of a variety of parameters. It communicates with monitoring devices such as Aerotel's HeartView 12 lead ECG

device, via a wireless, Bluetooth interface. Home-CliniQ monitors incoming wireless connections and displays the status of the communication. Upon completion of a successful data transfer, the received data is stored on the PC's hard disk and sent, via the Internet (FTP), to an FTP server.

The following illustration presents a typical Home-CliniQ setup.



Please contact your Aerotel agent for an up-to-date list of supported devices.

5.4 e-CliniQ Monitoring Devices

e-CliniQ is particularly versatile in that, in addition to monitoring devices developed by Aerotel, third-party products can easily be integrated with the system.

5.4.1 BP-Tel™ Trans-Telephonic Blood Pressure

BP-Tel™ enhances the lifestyle of hypertensive and hypotensive patients by relieving the "white coat effect" normally associated with blood pressure monitoring conducted at hospitals and clinics. A user-friendly, one-step instrument, it enables physicians to conduct routine blood pressure monitoring from the comfort of their patients' homes. With its built-in proprietary communicator, BP-TEL automatically transmits data over the patient's home telephone line to the MPM Receiving Center.

5.4.2 Weight-Tel™

Weight-Tel™ is a trans-telephonic weight measurement device that makes routine weight monitoring (including long-term and individualized follow-up) simple and efficient. All a user has to do is step on the scale to have his/her weight automatically transferred, via regular telephone lines, to the MPM Receiving Center. The computerized logbook makes it easy to trace an accurate trend in the user's weight, and to increase the effectiveness of weight control programs.

5.4.3 Other e-CliniQ Devices and Sensors

Aerotel incorporates third-party products that can communicate with our systems. This permits medical practitioners to substantially expand the range of services provided by e-CliniQ monitoring. Such third-party equipment includes:

- Pulse Oximeters

- Blood Pressure Monitors
- Precision Health Scale
- Blood Glucose Meters
- Blood Glucose and β-Ketone Monitoring Sensor
- INR/PT Meters
- Spirometry and Oximetry meters
- Temperature control to be implemented shortly.

Please contact your Aerotel agent for an up-to-date list of supported devices.

6. Life Care Mobile Monitoring System

6.1 Life Care Overview

The Aerotel LifeCare system provide sophisticated, yet easy-to-use, mobile monitoring solutions enabling effortless and continuous remote monitoring from anywhere, at anytime. The cellular-based wrist-wearable mobile monitoring and communication devices can seamlessly transmit real-time data, such as medical information, environmental data, location or distress alarms to a remote medical center for online monitoring and advice.

Aerotel LifeCare solutions were originally developed by Tadiran LifeCare, which was acquired by Aerotel Medical Systems.

6.2 Life Care Monitoring Solutions

The following Aerotel LifeCare monitoring solutions are intended for telehealth, telecare, medical alert and teleassistance applications, enabling users to be monitored continuously and effortlessly from anywhere, at anytime.

6.2.1 SKeeperWare™

SKeeperWare™ is a software suite for remote monitoring and device setup for service providers, enabling real time monitoring of SKeeper (refer to section 6.3.1) or GeoSkeeper (refer to section 6.3.2) users, receiving alerts and alarm calls and responding to user requests. The SKeepWare application can be connected to the service provider's phone system enabling direct voice calls with the users.

SKeepWare can receive calls and alerts from SKeeper devices. It has a database with users' data (SKeeper phone number, personal info, relatives, etc.). When a call is received form a SKeeper device, the personal file will open automatically and the call center attendant will be able to talk with the user via the SKeeper's built-in speakerphone. The call center can also receive messages and alerts from the SKeeper devices (such as low battery alert, and device ON/OFF status). The application can also support traditional home-based medical alert or social alarm systems.

6.2.2 SKeeperAgent™

SKeeperAgent™ is an application for resellers or service providers, enabling them to activate SKeeper or GeoSkeeper devices, assign user name and password to users, program the devices remotely over the air, or locally, and keep track of the device status of their clients.

6.2.3 SKeeperWeb™

SKeeperWeb™ is a user-friendly Web-based application allowing end-users or authorized relatives or caregivers to remotely program device parameters, such as automatic answering, speed-dialing numbers, etc. SKeeperWeb accesses the same database generated by SkeeperAgent. SKeeper devices can be remotely programmed by receiving SMS commands from the SKeeperWeb. Installation requires a setup of a Website with a constant DNS address and an SMS service account.

6.2.4 GeoWare™

GeoWare™ is a Web-based application allowing end-users or authorized relatives or caregivers to remotely track the whereabouts of a GeoSkeeper user or a group of users. The application uses a commercial mapping application, such as Google Maps or Atlas CT in order to enables tracking and viewing of users locations on a map. With its Geofencing feature, it enables users to draw a fence on the map and to receive automatic alerts when the user leaves a pre-defined zone. Alerts can be sent to the monitoring center or to other mobile phones (via SMS) or by email.

6.3 LifeCare Wearable Devices

6.3.1 SKeeper™

SKeeper™ is a wearable personal communicator with a distress alarm that was designed to make life easier and safer for elderly, chronically ill, children or lone workers, as well as for their relatives and caregivers. SKeeper is the ideal solution for mobile telecare, teleassistance and medical alert applications.

SKeeper Personal Emergency Response System (PERS), medical alert and social alarm systems, to the next level. Fitted with a unique "Safety Call" button and built-in cellular communicator, it can activate a warning signal when needed, enabling wearers to be immediately contacted from any caller or via a secure Web interface, PDA, smart-phone or through a remote monitoring center.

Using its built-in speakerphone, based on a powerful Siemens GSM/GPRS Wireless Module, SKeeper enables cellular voice calls to be made to pre-defined numbers (e.g. a relative or a family doctor) or to be received from any caller or from the remote monitoring center when in need. Text messages (SMS) can be sent to the remote center or to relatives in case of an emergency.

6.3.2 GeoSkeeper™

GeoSkeeper™ is a personal communicator with distress alarms and GPS location. GeoSkeeper is a "peace of mind" product designed for elderly, chronically ill, children or lone workers, as well as their relatives and caregivers. Fitted with a distress button and integrated active GPS system, GeoSkeeper can activate a warning signal, provide accurate location tracking and request immediate assistance when and where it is needed.

Using its embedded quad-band GSM/GPRS module and built-in cellular speakerphone, GeoSkeeper enables voice calls to be made to stored telephone numbers which are linked to speed dialing buttons (e.g. a relative or a doctor), or to any caller, or to a remote monitoring center.