



Philips HeartStart MRx Monitor/Defibrillator

Education and training solutions



Meeting a variety of training and implementation needs

Learning to use the HeartStart MRx Monitor/Defibrillator is an integral part of device implementation. So Philips has created a variety of education and training material, including interactive web-based training, an instructional video, and instructor-based training tools to meet your needs. All were developed using sound instructional design principles, leading to competent operation and enhancing your experience with the HeartStart MRx.

HEARTSTART
DEFIBRILLATORS

Standard Solutions

Your HeartStart MRx comes with valuable educational and reference material. The following are provided with the MRx at no additional cost:

Interactive Multimedia

Just as we utilize cutting-edge technology in our medical devices, we do the same with the HeartStart MRx web-based training. Developed to run on either a broadband or 56k Internet connection and accessible 24/7 365 days a year, this solution covers the features, functions, and operation of the device, and requires only 2 to 3 hours to complete.

Lesson material is presented in an interactive, multimedia format, designed to handle a variety of learning styles. There is access to informative clinical application notes, as well as a final exam that checks your understanding of the material. Students who successfully complete the exam are eligible for continuing education credit.



Training administrators will appreciate:

- the ease of conducting self-paced, new employee training
- the version control and consistency of lesson material
- the ability to update existing lesson content or add new material quickly
- the benefits of a student database that tracks lesson completion history and final exam results.

If Internet access is not available, the training is available on CD.

Instructor's Toolkit

If you are responsible for training in your organization, we have material to help facilitate the education process. There is an Instructor's Guide designed to help you deliver end-user training on the MRx. You can have students follow along with your instruction using the User Training Workbook. Then, to ensure competency on device operation, students complete the Skills Checklist provided.

Quick Reference Cards

The pocket-size, laminated card set highlights key HeartStart MRx functionality and operation, as well as each available monitoring parameter: ECG, 12-Lead, SpO₂, NBP, and CO₂. They can be banded together and tethered to the MRx or stored with your crash cart.

Application Notes

Application notes explain the theory behind our therapeutic and monitoring technologies, as well as support for their clinical efficacy and intended interpretation. Application notes are offered for arrhythmia, SpO₂, NBP and EtCO₂ monitoring, as well as our AED algorithm, 12-lead analysis, patented SMART Biphasic waveform, noninvasive pacing, and battery maintenance.

Instructions for Use

The user's guide provides the most extensive details on MRx features and functions, clinical explanations of available therapies and monitoring parameters, and directions on the configuration and maintenance of the device.

Optional Solutions

If your training and educational needs require more than what comes standard with the MRx, consider the following options:

Instructor-based Training

On-site, instructor-based training is perhaps the most thorough learning experience for MRx users. Delivered by experienced clinical educators such as critical care nurses and paramedics, this solution can be customized and includes hands-on procedural labs, reviews of therapeutic and monitoring technologies, and tests for lesson comprehension and retention. Students get the benefit of learning device operation in realistic critical care context, thanks to the knowledge and real world experience that the educators possess.

Our instructors are equipped with lesson plans, presentations, and skills checklists for classroom use. User training workbooks are available to students for reference, note taking, and independent study. Classes are arranged through your Philips representative, and cost is dependent on the number of training days required to meet your needs.

Video

Featuring realistic pre-hospital and hospital scenarios, *Using the HeartStart MRx Monitor/Defibrillator* illustrates the intended use of the MRx, showing important device features and functions through interactions with controls, buttons, menus, and accessory ports associated with standard and optional parameters.

At just over 35 minutes, it's both a standalone solution and an effective prerequisite to either the multimedia or instructor-based training. The video is available on the web, VHS tape, and DVD. The tape and DVD can be ordered through your Philips representative.

Electronic copies of the instructor-based training materials, Instructions for Use, Quick Reference Cards, and application notes are found on the HeartStart MRx Documentation CD, which comes packaged with your MRx. Hard copy and/or duplicates of some material can be ordered or reproduced for your organization's use from electronic versions.



Philips is committed to supporting users of the HeartStart MRx with high-quality, effective solutions, so that they can safely, quickly, and effectively treat patients and save lives. As we continually seek opportunities to improve your experience with our products, we encourage you to talk to us about your educational needs, present and future.



Philips — The trusted choice

- One of the world's largest medical products companies with annual revenue of over \$6 billion
- History of innovation. Philips introduced the medical X-ray tube in 1918, the audiocassette in 1963, and the first VCR; the company also created CD-ROM technology
- With over 200,000 automated external defibrillators installed, Philips has more AEDs on the job, in the air, in the classroom and in your neighborhood than anyone else
- Over 4.5 billion HeartStart Defibrillator service hours logged, with an additional 2.7 million hours added every day
- Over 17 % of Fortune 1000 companies, 8 out of 10 major airlines and 43 professional sports teams rely on Philips HeartStart Defibrillators
- The first defibrillator cleared for over-the-counter use—HeartStart Home Defibrillator

To learn more about the education and training solutions for HeartStart MRx, visit www.philips.com/heartstart or call 1-800-934-7372.

Philips Medical Systems is part of Royal Philips Electronics

On the web

www.philips.com/heartstart

Via email

medical@philips.com

By fax

+31 40 27 64 887

By postal service

Philips Medical Systems
3000 Minuteman Road
Andover, MA 01810-1085

Asia

Tel: +852 2821 5888

Europe, Middle East and Africa

Tel: +31 40 27 63005

Latin America

Tel: +55 11 2125 0764

North America

Tel: +1 800 934 7372

© Koninklijke Philips Electronics N.V. 2005 All rights reserved.
Reproduction in whole or in part is prohibited without the prior written consent of the copyright holder.

Philips Medical Systems North America Corporation reserves the right to make changes in specifications or to discontinue any product at any time without notice or obligation and will not be liable for any consequences resulting from the use of this publication.

MAY 2005