

## Product Release Notes

**Product:** H12+ Digital Recorder  
**Software Version:** 5.0.0  
**Release Date:** March 2020



Introducing the Welch Allyn® H12+™ 12-lead Digital Holter recorder, the next version of the former Mortara® recorder. Now with the Hillrom™ brand, a secure digital (SD) media card, redesign of internal parts, and several enhancements it becomes a more attractive solution for 12-lead ECG continuous capture.

### Clinical Enhancements and Improvements since v3.13:

1. H12+ now supports the use of a removable SD card that can be imported at HScript™ via the HScript provided external card reader (part number 9903-013).
2. The High Fidelity recorder 24H and 48H models allow the user to define their preferred sampling rate at 180 or 1,000 samples per second per channel for 1 to 24 hours or 1 to 48 hours.
3. Allows the user to set recording duration (automatic recording end) from 1 to 24 or 48 hours (dependent on model) in 1-hour increments.
4. Supports 48-hour Standard and High Fidelity (HF) recording with a single alkaline AA battery.
  - Your customer's purchase of expensive lithium AA batteries are no longer required!
  - High Fidelity recordings were previously guaranteed to continue up to 30 hours. This release supports a full 48-hours for the 48H High Fidelity recorder model!





5. Adds the Swedish and Danish languages to the list of available H12+ translations.
6. Supports pace spike enhancement together with HScript v6.4.0, previously only available with the H3+ recorder.
7. Corrects an anomaly when the RL/N lead becomes disconnected.

**Configuration / Setup Changes**

- None

The same four model configurations are supported: 1) H12+ Standard 24H, 2) H12+ Standard 48H, 3) H12+ High Fidelity 24H, and 4) H12+ High Fidelity 48H

**Service and Operations Changes**

- None

**General Information**

The following instructions for use are available with this product.

H12+ User Manual	H12+ Quick Reference Guide	H12+ Service Manual
<ul style="list-style-type: none"> <li>○ 80025606 English</li> <li>○ 80025725 Italian</li> <li>○ 80025726 Spanish</li> <li>○ 80025727 German</li> <li>○ 80025728 Dutch</li> <li>○ 80025729 French</li> <li>○ 80025730 Polish</li> <li>○ 80025731 Finnish</li> <li>○ 80025732 Portuguese</li> <li>○ 80025733 Swedish</li> <li>○ 80025734 Danish</li> </ul>	<ul style="list-style-type: none"> <li>○ 80025607 English</li> <li>○ 80025905 Italian</li> <li>○ 80025909 Spanish</li> <li>○ 80025904 German</li> <li>○ 80025902 Dutch</li> <li>○ 80025908 French</li> <li>○ 80025906 Polish</li> <li>○ 80025903 Finnish</li> <li>○ 80025907 Portuguese</li> <li>○ 80025910 Swedish</li> <li>○ 80025902 Danish</li> </ul>	80026044 English

- **Recognizable Features:**
  - The updated H12+ digital recorder is now branded Hillrom and manufactured by Welch Allyn, recognizable by the updated bezel and back label on the recorder.



**Hillrom™**

- **Available Languages:**
  - English, Italian, Spanish, German, Dutch, French, Polish, Finnish, Portuguese, Swedish, and Danish
- **Compatibility**
  - The H12+ v5.0.0 digital recorder is compatible with HSCRIBE with version 5.14 or later software
- **Upgrade Path**
  - The H12+ v3.xx recorder is not upgradeable to the new v5 firmware
  - An H12+ v5 upgrade from 24H to 48H and from Standard to High Fidelity ECG sampling simply requires purchase of a new proprietary SD card.