REVISIONS			
REV	DESCRIPTION		
R	RELEASE/CHANGE PER ECO-R248690		

SOFTWARE REFERENCE DRAWING PB560 CPU (MAINTENANCE)

COVIDIEN 6135 Gunbarrel Avenue Boulder, CO 80301

TITLE: SOFTWARE REFERENCE DRAWING PB560 CPU (MAINTENANCE)

DOCUMENT NUMBER 10039034

REV

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1.0 REVISION HISTORY

Revision	Author	Change Description	
X1		Initial release	
Α		Minor corrections before starting verification.	
В		Official release for formal P4 build	
С		Updated for formal P4 build	
D		Minor GUI correction for formal P3.1 build.	
Е		Major correction on Exhalation Trigger	
		Major correction on control system parameter to improve its reactivity in volume modes.	
F		Minor Correction due to EMC tests	
G		Minor Correction due to EMC tests	
Н		Corrections from the examination of the differences between LX010009(PB560) and LU010014(PB540)	
		Languages translations added	
J		Italian translations added	
		USB issues fixed	
		SIMV modes issues from "chaos testing" fixed	
K		Correction to exhalation valve per CDP10078634.	
L		Updated per CDP-RMS-0000156.	
М		Updated per CDP-RMS-0000420.	
N		Updated per CDP-RMS-0000420.	
Р		Updated per CDP-RMS-0000420, corrected document typo in md5 signature, no changes to software build or source files.	
R		Updated per CDP-RMS-0002671	

2.0 INTRODUCTION

2.1 Objective

This document provides the software reference for the PB560 CPU Board.

2.2 Scope

This software reference describes the configuration of the software and the development tools used.

2.3 Reference Documents

Ref	Part Number		Document Title		
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R1	10035480	Product Requirements Document, PB560-520
R2	10037183	System Risk Assessment, PB560-520
R3	10037185	CPU Software Requirement Specifications, PB 560
R4	10133735	SOFTWARE TEST REPORT, PB560-520, SUMMER
		2014 RELEASE
R5	CDP-RMS-0002671	MAINTENANCE RELEASE FOR PB520/560
		PRODUCT SOFTWARE.

3.0 SOFTWARE REFERENCE

1. Release File:

ROM Name	ROM CRC	Md5 Signature	Patient Management	Version	Build Date	Board Loc.	Archive Label
LX010024.h86	N/A	69c295d6 04339c93 f72ddc38 b3a90897	YES	LX010024	09-05-2014	CPU	LX010024_Fin al_Release

The LX010024.md5 file is the software checksum that can be used to check the h86 file integrity. The LX010024.ini file has to be used with OpenVent. It must be renamed to testventil.ini and copied to the Testventil folder of the OpenVent installation directory.

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2. Software Location:

a. Backup: n/a

b. Product software archives:

http://tupau1-sbe.thcg.net/svn/Legendair/LEGENDAIR XL2/ETUDE SOFT/Sources/CPU/tags/LX010024_Final_Release http://tupau1-sbe.thcg.net/svn/Legendair/LEGENDAIR XL2/ETUDE SOFT/Sources/CPU/executables/LX010024.H86 http://tupau1-sbe.thcg.net/svn/Legendair/LEGENDAIR XL2/ETUDE SOFT/Sources/CPU/executables/LX010024.md5 http://tupau1-sbe.thcg.net/svn/Legendair/LEGENDAIR XL2/ETUDE SOFT/Sources/CPU/executables/LX010024.ini

c. Product software:

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\tacarl-fs01v\Software_Library\Product\Maslib\Airox\PB560\10039034\LX010024\LX010024.md5

\\tacarl-fs01v\Software_Library\Product\Maslib\Airox\PB560\10039034\LX010024\LX010024.ini

d. Tools Archives:

Configuration Management

• SVN 1.6.6 (r40053)

Development

•	MD5 GUI		V99g
•	Keil IDE-Version μ\	Vision	V4.22.0.0
•	EC++ Compiler:	EC166.Exe	V1.09d
•	C Compiler:	C166.Exe	V7.05
•	Assembler:	A166.Exe	V5.34
•	Linker/Locator:	L166.Exe	V5.25
•	Librarian:	LIB166.Exe	V4.29
•	Hex Converter:	OH166.Exe	V4.7a
•	CPU DLL:	S166.DLL	V3.80.0.0
•	Dialog DLL:	D167.DLL	V2.53

e. Tracker Database:

PVCS Tracker: Version 7.1.00sp3 (Build 638.1)

Project: PB_560 Server: SQA_WW01

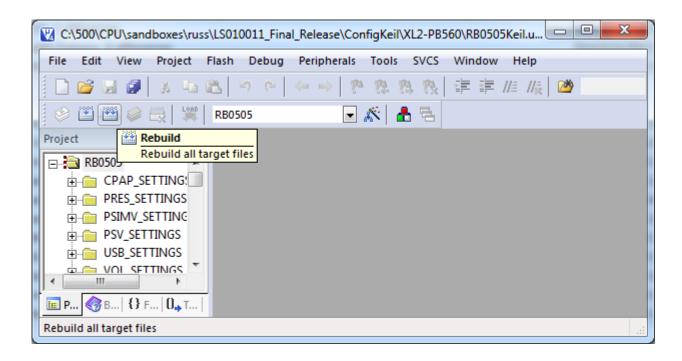
f. Build Instructions:

To build all the software, using the Keil IDE Version UVision compiler, open the file

http://tupau1-sbe.thcg.net/svn/Legendair/LEGENDAIR XL2/ETUDE SOFT/Sources/CPU/tags/LX010024 Final Release\ConfigKeil\XL2-PB560\RB0505Keil.uvproj

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and double click on the Rebuild all target files shown below.



All software files should be compiled and new executables created.

4. Software Change Description:

Official release of the PB560 CPU board maintenance software for the formal P4 build. The following changes have been made from the last production release LX010023:

SCR	Description
159	Occlusion alarm criteria
162	High Leakage Alarm - displayed as CPAP Mode in Alarm Log Menu
168	PB560: Leak name displayed not in Japanese/English for Japanese Language
169	High VTI/Disconnect Alarm issue
170	Using the Fisher and Paykel MR290 humidifier for the PB560 causes Prox alarms.
171	Volume overshoot
179	Calibrate FiO2 Alarm - displayed as WP in Alarm Log Menu
182	FIO2 displays a 250% during the first breath

Refer to CDP [R5] and V&V Report [R4], PB560-520 for additional information.

5. Intended Use Statement:

This version of software has completed software verification and validation testing. The software is being released to production. The software is intended for patient management.

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