

External Printer Guide for the ZOOM® LATITUDE® Programmer

SUMMARY

Although the Model 3120 ZOOM® LATITUDE® Programmer Recorder Monitor (PRM) has a built-in printer, reports and electrograms (EGMs) can also be printed via a connection to an external printer. Printing externally provides the clinician with a conventional-sized medical record.

The ZOOM LATITUDE PRM should be compatible with Hewlett-Packard (HP), Brother, and Samsung printers that utilize a PCL5 printer language.

- If used with COGNIS® or TELIGEN® software, a parallel port or USB (Universal Serial Bus) connection is compatible.
- If used with previous generations of Boston Scientific device software, only a parallel port connection is compatible.

CRM PRODUCTS REFERENCED

ICDs, CRT-Ds, CRT-Ps and Pacemakers in Table 1

The following are trademarks of Cardiac Pacemakers Inc., a Boston Scientific company: ZOOM® LATITUDE® PRM.

Products referenced herein may not be approved in all geographies. For comprehensive information on device operation, reference the appropriate product labeling.

CRT-D: Cardiac Resynchronization Therapy Defibrillator
 CRT-P: Cardiac Resynchronization Therapy Pacemaker
 ICD: Implantable Cardioverter Defibrillator

CRM CONTACT INFORMATION

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COMPATIBLE PRINTER SPECIFICATIONS

An external printer with the following specifications should be compatible with the Model 3120 ZOOM® LATITUDE® Programmer Recorder Monitor (PRM) per Boston Scientific equivalency testing:

- Manufactured by Hewlett-Packard (HP), Brother, or Samsung
- Print language is PCL5 compatible*
- Type of connection:
 - For COGNIS® and TELIGEN® software applications, a parallel port connection or USB (Universal Serial Bus) port connection
 - For previous generations of Boston Scientific device software applications, a parallel port connection

To determine if a printer meets the above specifications, refer to the user manual provided with the printer, which should contain the printer language and connection type. In addition, CRM Technical Services may be contacted for questions regarding printer compatibility.

FREQUENTLY ASKED QUESTIONS

Q1. Which available printers have been tested and verified as compatible with the ZOOM LATITUDE PRM?

A1. Boston Scientific has tested and verified the following printer models for use with the ZOOM LATITUDE PRM:

- HP LaserJet Model 1200
- Brother Models HL-5240 and HL-2070N
- Samsung Model 2251N

Q2. If an external printer is manufactured by a company other than HP, Brother or Samsung, supports PCL5, and has a parallel port or USB connection, is it compatible with the ZOOM LATITUDE PRM?

A2. It may be compatible; however, Boston Scientific has not tested printers from other manufacturers.

Q3. Can the USB ports on the side panel of the ZOOM LATITUDE PRM be connected to an external printer?

A3. Yes. The USB port can be used to print externally for COGNIS and TELIGEN software applications (Figure 1).

NOTE: The parallel port connection site can be used for external printing with all Boston Scientific device software applications that support external printing.

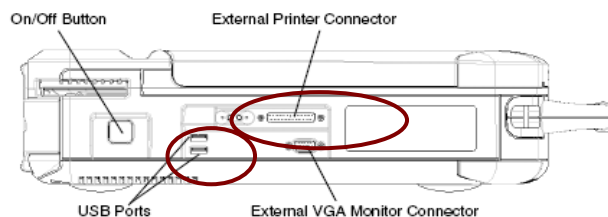


Figure 1. Parallel port and USB connection sites on ZOOM LATITUDE PRM.

*PCL5 compatible languages include PCL5, PCL5e, and PCL5c. "Each new version of the language includes commands not found in older versions as well as the older PCL commands. As a result, printers with more recent versions of PCL are backwards compatible with software that supports older versions of the language." From: HP Color LaserJet and LaserJet Series Printers - History of Printer Command Language (PCL). Business Support Center Page. Hewlett Packard Web site. Available at <http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?objectID=bpl04568>. Accessed on May 28, 2009.

Q4. Does the Model 3120 ZOOM LATITUDE PRM support color printing?

A4. No. The Model 3120 ZOOM LATITUDE PRM does not support printing in color.

Q5. Can stored or real-time electrograms (EGMs) be printed on an external printer?

A5. Stored EGMs can be printed to an external printer. In addition, real-time EGMs can be printed by all device software applications listed in Table 1 (with the exception of COGNIS and TELIGEN) by creating a snapshot report.

Q6. Do all device families have the ability to print externally?

A6. No. The availability to print externally by device family is listed in Table 1.

Q7. Can an external printer be used while the software application is in Demo Mode?

A7. Yes. If the device family has the ability to print externally (Table 1), it can print while in Demo Mode.

Q8. Does printing to an external printer meet electrical safety standards?

A8. An external printer connected to the ZOOM LATITUDE programmer must meet IEC 60950-1 standards (see printer manual) and must be kept out of the patient environment (i.e., 4.9 feet [1.5 meters] away from the patient) to meet electrical safety standards. Boston Scientific instructions for use provide the following guidance:

- **CAUTION:** *Although the external printer meets leakage-current requirements for commercial products, it may not meet the reduced leakage requirements for medical products. Consequently, the external printer must be kept outside the patient environment (at least 4.9 feet [1.5 meters] away from the patient).*
- **NOTE:** *Equipment connected to the serial port and other external connections must comply with the respective IEC standards (e.g., IEC 60950 for data processing equipment and IEC 60601-1 for medical equipment).*

Table 1. Ability to Print Externally By Boston Scientific Device Family

	DEVICE FAMILY	MODEL(S)	PRINT EXTERNALLY	
Pacemaker	ALTRUA	S201 / S202 / S203 / S204 / S205 / S206 / S207 / S208 / S209 / S401 / S402 / S403 / S404 / S501 / S502 / S503 / S504 / S508 / S601 / S602 / S603 / S606	YES	
	INSIGNIA / NEXUS Ultra SR, DR (downsize), DR	1190 / 1290 / 1291 / 1390 / 1490 / 1491	YES	
	INSIGNIA / NEXUS Entra SR, DR (downsize), DR, SSI IS-1 Comp, SSI 5/6, DDD 5/6, DDD IS-1 Comp	0484 / 0485 / 0985 / 0986 / 1195 / 1198 / 1296 / 1294 / 1295 1325 / 1326 / 1395 1398 / 1425 / 1426 / 1466 / 1494 / 1495	YES	
	INSIGNIA / NEXUS Plus SR, DR (downsize), DR	1194 / 1298 / 1297 / 1394 / 1467 / 1468	YES	
	INSIGNIA / NEXUS AVT VDD, DDD, SSIRO, DDDRO	0482 / 0882 / 0982 / 1192 / 1292 / 1328 / 1392 / 1428 / 1432 / 1492	YES	
	PULSAR MAX II SR (downsize), SR, DR	1180 / 1181 / 1280	YES	
	DISCOVERY II / INTELIS II SR (downsize), SR, DR (downsize)	1184 / 1186 / 1187 / 1283 / 1284 / 1286 / 1349 / 1384 / 1386 / 1387 / 1483 / 1484 1486 / 1499	YES	
	PULSAR MAX SR (downsize), SR, DR	1170 / 1171 / 1270	YES	
	DISCOVERY / INTELIS SR (downsize), SR, DR (downsize), DR, SSI, DDD	1174 / 1175 / 1273 / 1274 / 1275 / 1374 / 1375 / 1473 / 1475 / 0481 / 0981	YES	
	MERIDIAN DDD, SR, DR, SSI CO IS-1 Comp	0976 / 1176 / 1276 / 0476	YES	
ICD	TEligen [†] DR / VR	E102 / F102 / E110 / F110	YES	
	CONFIENT RF HE	E030 / F010 / F030	NO	
	VITALITY 2 EL DR / VR	T167 / T177	YES	
	VITALITY 2 DR / VR	T165 / T175	YES	
	VITALITY DR HE	T180	NO	
	VITALITY AVT	A135 / A155	NO	
	VITALITY DS DR / VR	T125 / T135	YES	
	VITALITY EL	T127	YES	
	VITALITY VR / DR	1870 / 1871	YES	
	VITALITY DR+	1872	YES	
	VENTAK PRIZM 2 DR / VR	1861 / 1860	YES	
	VENTAK PRIZM DR HE / VR HE	1853 / 1858 / 1852 / 1857	YES	
	VENTAK PRIZM DR / VR	1851 / 1856 / 1850 / 1855	YES	
	VENTAK PRIZM AVT	1900	NO	
CRT-D	COGNIS [†]	N118 / N119 / N106 / N107 / P106 / P107	YES	
	LIVIAN RF	H220 / H225 / H240 / H245	NO	
	LIVIAN RF HE	H227 / H229 / H247 / H249	NO	
	CONTAK RENEWAL 4 RF / 4 RF HE	H230 / H235 / H239	NO	
	CONTAK RENEWAL 4 AVT / 4 AVT HE	M170 / M175 / M177 / M179	NO	
	CONTAK RENEWAL 4 / 4 HE	H190 / H195 / H197 / H199	NO	
	CONTAK RENEWAL 3 RF / 3 RF HE	H210 / H215 / H217 / H219	NO	
	CONTAK RENEWAL 3 AVT / 3 AVT HE	M150 / M155 / M157 / M159	NO	
	CONTAK RENEWAL 3 / 3 HE	H170 / H173 / H175 / H177 / H179	NO	
	CONTAK RENEWAL	H135	NO	
	CONTAK CD	1823	NO	
	CRT-P	CONTAK RENEWAL TR	H120 / H125	YES
		CONTAK RENEWAL TR 2	H140 / H145	YES

[†]Able to print externally via a parallel port connection or USB port connection.