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Manning RIP Functional Specification Version 1.21

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x27424

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TABLE 3-1 Configuration Menu Settings and Values

INTERMEDIATE MENU, SETTING OR PRINTER OPERATION	VALUES
USB Speed	Full Auto (*) Note: A value of “Full” forces the USB port to run at full speed and also disables its hi-speed capabilities.
Exit Config Menu Note: This setting appears as a soft button in the bottom-right hand corner of the panel and is always accessible to the user from the main Configuration Menu.	No values exist for this operation. Pressing ✓ exits the Configuration Menu, performs a POR on the printer, and restarts the printer in normal mode.

3.3 Diagnostics Menu Group

Note: Information about the device’s Diagnostics Menu Group should not be documented in any enduser documentation (User’s Guide or Tech Ref). However, it needs to be documented in the Service Manuals.

Note: When a warning is active, the settings available in the Diagnostics menu are limited to only the settings that can clear these warnings. For example, if a new FRU (whatever FRU contains the EEPROM for storing device configuration) is installed that does not have a valid Model Name, Configuration ID, nor Serial Number, then the only settings available in the Diagnostics Menu are these 3 settings. No other diag menus or settings will be available until all warnings of this type are cleared.

The Diagnostics Menu group consists of menus, settings and operations that are used to diagnose printer problems. Like the Configuration Menu Group, an everyday user should not ever need to access this menu.

For information about a setting’s factory default value or behavior, see “Printer Environment Settings and Factory Default Values” on page 293.

Note: While the Diagnostic Menu Group is active, all host interfaces are offline.

TABLE 3-2 Diagnostics Menu Settings and Values

TOP-LEVEL MENU	INTERMEDIATE MENU, SETTING, OR OPERATION	VALUE LIST
REGISTRATION (see page 284)		
<i>(REGISTRATION cont'd.)</i>	Top Margin	-25...25 (0*)
<i>(REGISTRATION cont'd.)</i>	Bottom Margin	-20...20 (0*)
<i>(REGISTRATION cont'd.)</i>	Left Margin	-25...25 (0*)
<i>(REGISTRATION cont'd.)</i>	Right Margin	-10...10 (0*)
<i>(REGISTRATION cont'd.)</i>	Quick Test	No values exist for this operation. Pressing --> initiates this operation.
PRINT TESTS (see page 277)		
<i>(PRINT TESTS cont'd.)</i>	Tray 1 Note: Only appears if this tray is installed	Single Continuous
<i>(PRINT TESTS cont'd.)</i>	Tray 2 Note: Only appears if this tray is installed	Single Continuous
<i>(PRINT TESTS cont'd.)</i>	Tray 3 Note: Only appears if this tray is installed	Single Continuous
<i>(PRINT TESTS cont'd.)</i>	Tray 4 Note: Only appears if this tray is installed	Single Continuous
<i>(PRINT TESTS cont'd.)</i>	Tray 5 Note: Only appears if this tray is installed	Single Continuous
<i>(PRINT TESTS cont'd.)</i>	Multi-Purpose Feeder Note: Only appears if MP Feeder is installed AND the "Configure MP Menu" on page 54 is NOT set to Manual	Single Continuous
<i>(PRINT TESTS cont'd.)</i>	Envelopes - MP Feeder	Single Continuous
<i>(PRINT TESTS cont'd.)</i>	Envelope Feeder Note: Only appears if an Envelope Feeder is installed	Single Continuous
<i>(PRINT TESTS cont'd.)</i>	Print Quality Pages	Print Quality Pages

TABLE 3-2 Diagnostics Menu Settings and Values

TOP-LEVEL MENU	INTERMEDIATE MENU, SETTING, OR OPERATION	VALUE LIST
HARDWARE TESTS (see page 270)		
<i>(HARDWARE TESTS cont'd.)</i>	Panel Test	No values exist for this setting. Pressing --> initiates this test.
<i>(HARDWARE TESTS cont'd.)</i>	Button Test	No values exist for this setting. Pressing --> initiates this test.
<i>(HARDWARE TESTS cont'd.)</i>	DRAM Test	No values exist for this setting. Pressing --> initiates this test.
<i>(HARDWARE TESTS cont'd.)</i>	Serial 1 Wrap Note: This setting only appears if a serial port is available via PCI slot 1.	No values exist for this operation. Pressing --> initiates this operation.

TABLE 3-2 Diagnostics Menu Settings and Values

TOP-LEVEL MENU	INTERMEDIATE MENU, SETTING, OR OPERATION	VALUE LIST
<i>(HARDWARE TESTS cont'd.)</i>	USB HS Test Mode	Port 0 Test J Test K Test SE0 NAK Test Packet Test Force Enable Port 1 Test J Test K Test SE0 NAK Test Packet Test Force Enable Port 2 Test J Test K Test SE0 NAK Test Packet Test Force Enable Port 3 Test J Test K Test SE0 NAK Test Packet Test Force Enable Single Step Get Device Descriptor Single Step Set Feature Note: After a user selects a specific port and test (e.g. Test J on Port 1), the device automatically executes the selected test using the selected port. While the test executes, the panel displays, “USB High Speed Certification Testing...”. To exit the test, a user must POR the device.
DUPLEX TESTS (see page 252) Note: This menu is only displayed if a duplex option is installed.		

TABLE 3-2 Diagnostics Menu Settings and Values

TOP-LEVEL MENU	INTERMEDIATE MENU, SETTING, OR OPERATION	VALUE LIST
<i>(DUPLEX TESTS cont'd.)</i>	Quick Test	Single Continuous
<i>(DUPLEX TESTS cont'd.)</i>	Top Margin	-25...25 (0*)
<i>(DUPLEX TESTS cont'd.)</i>	Sensor Test	For supported sensors, see “Sensor Test (Duplex)” on page 254.
<i>(DUPLEX TESTS cont'd.)</i>	Motor Test	No values exist for this setting. Pressing --> initiates this test.
<i>(DUPLEX TESTS cont'd.)</i>	Duplex Feed 1	No values exist for this setting. Pressing --> initiates this test.
<i>(DUPLEX TESTS cont'd.)</i>	Duplex Feed 2	No values exist for this setting. Pressing --> initiates this test.
INPUT TRAY TESTS (see page 272)		
<i>(INPUT TRAY TESTS cont'd.)</i>	Feed Tests	<p>Note: Only installed sources display</p> <ul style="list-style-type: none"> Tray 1 Tray 2 Tray 3 Tray 4 Tray 5 Envelope Feeder Multi-Purpose Feeder <p>Note: Only appears if MP Feeder is installed AND the “Configure MP Menu” on page 54 is NOT set to Manual</p> <ul style="list-style-type: none"> Single Continuous

TABLE 3-2 Diagnostics Menu Settings and Values

TOP-LEVEL MENU	INTERMEDIATE MENU, SETTING, OR OPERATION	VALUE LIST
<i>(INPUT TRAY TESTS cont'd.)</i>	Sensor Test	Tray 1 Tray 2 Tray 3 Tray 4 Tray 5 MP Feeder Note: Only appears if MP Feeder is installed AND the “Configure MP Menu” on page 54 is NOT set to Manual Envelope Feeder
OUTPUT BIN TESTS (see page 275)		
<i>(OUTPUT BIN TESTS cont'd.)</i>	Feed Tests	Standard Bin Output Bin 1 Output Bin 2 Output Bin 3 Output Bin 4 Single Continuous
<i>(OUTPUT BIN TESTS cont'd.)</i>	Feed To All Bins	No values exist for this operation. Pressing --> initiates this operation.
<i>(OUTPUT BIN TESTS cont'd.)</i>	Sensor Test	Note: Only installed output bins are displayed. Standard Bin Output Bin 1 Output Bin 2 Output Bin 3 Output Bin 4
<i>(OUTPUT BIN TESTS cont'd.)</i>	Diverter Test Note: This setting only appears if a 5-Bin Mailbox Option is installed.	No values exist for this operation. Pressing --> initiates this operation.

TABLE 3-2 Diagnostics Menu Settings and Values

TOP-LEVEL MENU	INTERMEDIATE MENU, SETTING, OR OPERATION	VALUE LIST
FINISHER TESTS (see page 268) Note: Only appears when a finisher is installed		
<i>(FINISHER TESTS cont'd.)</i>	Staple Test	No values exist for this setting. Pressing --> initiates this test.
<i>(FINISHER TESTS cont'd.)</i>	Feed Tests	No values exist for this setting. Pressing --> initiates this test.
<i>(FINISHER TESTS cont'd.)</i>	Sensor Test	Cover and Door Staple Sensors Pass and Media Bin Level
BASE SENSOR TEST (see page 250)		
<i>(BASE SENSOR TEST cont'd.)</i>	Toner	Open Closed
<i>(BASE SENSOR TEST cont'd.)</i>	Input	
<i>(BASE SENSOR TEST cont'd.)</i>	Output	
<i>(BASE SENSOR TEST cont'd.)</i>	NarrowMedia	
<i>(BASE SENSOR TEST cont'd.)</i>	Front Door	
DEVICE TESTS (see page 250) Note: This menu is only displayed if a flash or disk option is installed.		
<i>(DEVICE TESTS cont'd.)</i>	Quick Disk Test Note: This setting only appears when a non-defective disk is installed.	No values exist for this setting. Pressing --> initiates this test.
<i>(DEVICE TESTS cont'd.)</i>	Disk Test/Clean Note: This setting only appears when a non-defective disk is installed.	No values exist for this setting. Pressing --> initiates this test.
<i>(DEVICE TESTS cont'd.)</i>	Flash Test Note: This setting only appears when a non-defective flash memory option is installed.	No values exist for this setting. Pressing --> initiates this test.
PRINTER SETUP (see page 280)		

TABLE 3-2 Diagnostics Menu Settings and Values

TOP-LEVEL MENU	INTERMEDIATE MENU, SETTING, OR OPERATION	VALUE LIST
(PRINTER SETUP cont'd.)	Defaults Note: (APA only) Changing this setting's value to "Non-U.S." changes the value of the Paper Sizes setting in the "General Settings Menu" on page 121 to "Metric"; changing it to "U.S." changes the value of the Paper Sizes setting to "U.S."	U.S. (*) Non-U.S.
(PRINTER SETUP cont'd.)	Printed Page Count	0 to 9999999
(PRINTER SETUP cont'd.)	Perm Page Count	0 to 9999999
(PRINTER SETUP cont'd.)	Serial Number	xxxxxxx (serial number) where x = A - Z, 0 - 9, '-' or ''
(PRINTER SETUP cont'd.)	Engine Setting 1 These settings are used by Engine code EC's to fix field problems. To return to the main Diagnostics Menu, a user can press Back .	0 to 255 (0*)
(PRINTER SETUP cont'd.)	Engine Setting 2	0 to 255 (0*)
(PRINTER SETUP cont'd.)	Engine Setting 3	0 to 255 (0*)
(PRINTER SETUP cont'd.)	Engine Setting 4	0 to 255 (0*)
(PRINTER SETUP cont'd.)	Engine Setting 5	0 to 255 (0*)
(PRINTER SETUP cont'd.)	Engine Setting 6	0 to 255 (0*)
(PRINTER SETUP cont'd.)	Engine Setting 7	0 to 255 (0*)
(PRINTER SETUP cont'd.)	Engine Setting 8	0 to 255 (0*)
(PRINTER SETUP cont'd.)	Engine Setting 9	0 to 255 (0*)

TABLE 3-2 Diagnostics Menu Settings and Values

TOP-LEVEL MENU	INTERMEDIATE MENU, SETTING, OR OPERATION	VALUE LIST
(<i>PRINTER SETUP cont'd.</i>)	Engine Setting 10	0 to 255 (0*)
(<i>PRINTER SETUP cont'd.</i>)	Engine Setting 11	0 to 255 (0*)
(<i>PRINTER SETUP cont'd.</i>)	Engine Setting 12	0 to 255 (0*)
(<i>PRINTER SETUP cont'd.</i>)	Engine Setting 13	0 to 255 (0*)
(<i>PRINTER SETUP cont'd.</i>)	Engine Setting 14	0 to 255 (0*)
(<i>PRINTER SETUP cont'd.</i>)	Engine Setting 15	0 to 255 (0*)
(<i>PRINTER SETUP cont'd.</i>)	Engine Setting 16	0 to 255 (0*)
(<i>PRINTER SETUP cont'd.</i>)	Model Name Note: Setting this value automatically also sets "Printer Name" on page 350.	[list of the model names from "Models and Descriptions" on page 1]
(<i>PRINTER SETUP cont'd.</i>)	Configuration ID	See "Configuration ID" on page 280 Note: For a specific model's Configuration ID, see "Configuration ID Values by Model" on page 35.
(<i>PRINTER SETUP cont'd.</i>)	Edge to Edge	Off (*) On

TABLE 3-2 Diagnostics Menu Settings and Values

TOP-LEVEL MENU	INTERMEDIATE MENU, SETTING, OR OPERATION	VALUE LIST
(<i>PRINTER SETUP cont'd.</i>)	<p>Enable Edge to Edge Copy Note: This setting's value determines if the device honors the ADF or flatbed edge erase values (see the "Configuration Menu Group" on page 215) when performing an ADF or flatbed copy. When "On", the device ignores the pertinent edge erase value, scans each page of the job from edge to edge, and then prints the job without the standard border. When "Off", the device scans each page of the job and then prints the job with the standard border prescribed by the edge erase value.</p> <p>Note: To enable edge to edge copying, a user must:</p> <ul style="list-style-type: none"> • turn Enable Edge to Edge Copy "On"; • turn the Edge to Edge printing setting "On" (see page 281); AND • turn the Scan Edge to Edge setting "On" (see "Copy Settings Menu" on page 136). 	Off (*) On
(<i>PRINTER SETUP cont'd.</i>)	<p>Par 1 Strobe Adj Note: Only appears if device has parallel port available via PCI slot 1</p>	-4 to 6 (0*)
(<i>PRINTER SETUP cont'd.</i>)	<p>Par 2 Strobe Adj Note: Only appears if device has parallel port available via PCI slot 2.</p>	-4 to 6 (0*)
EP SETUP (see page 255)		
(<i>EP SETUP cont'd.</i>)	EP Defaults	Restore Do Not Restore

TABLE 3-2 Diagnostics Menu Settings and Values

TOP-LEVEL MENU	INTERMEDIATE MENU, SETTING, OR OPERATION	VALUE LIST
<i>(EP SETUP cont'd.)</i>	<p>Fuser Temp</p> <p>This setting enables users to adjust the fuser temperature in order to solve problems with paper curl on low grade paper and/or melting of letterheads on some papers.</p> <p>To return to the main Diagnostics menu, a user can press Back.</p>	<p>Normal (*)</p> <p>Lower</p> <p>Lowest</p>
<i>(EP SETUP cont'd.)</i>	<p>Fuser Page Count</p>	◀ 0 to 99999999 ▶
<i>(EP SETUP cont'd.)</i>	<p>Warm Up Time</p>	0 to 5 (0*)
<i>(EP SETUP cont'd.)</i>	<p>Transfer</p> <p>The value of this setting controls the roll transfer algorithm.</p> <p>To return to the main Diagnostics menu, a user can press Back.</p>	<p>Low</p> <p>Medium (*)</p> <p>High</p>
<i>(EP SETUP cont'd.)</i>	<p>Print Contrast</p> <p>The value of this setting controls the developer voltage offset.</p> <p>To return to the main Diagnostics menu, a user can press Back.</p>	<p>Low</p> <p>Medium (*)</p> <p>High</p>
<i>(EP SETUP cont'd.)</i>	<p>Charge Roll</p> <p>This setting controls the charge shaft voltage</p> <p>To return to the main Diagnostics Menu, a user can press Back.</p>	<p>Low</p> <p>Medium (*)</p> <p>High</p>
<i>(EP SETUP cont'd.)</i>	<p>Gap Adjust</p>	0 to 255 (0*)
<i>(EP SETUP cont'd.)</i>	<p>Auto Dark Adj</p>	<p>Enable (*)</p> <p>Disable</p>
<p>REPORTS (see page 286)</p>		
<i>(REPORTS cont'd.)</i>	Menu Settings Page	

TABLE 3-2 Diagnostics Menu Settings and Values

TOP-LEVEL MENU	INTERMEDIATE MENU, SETTING, OR OPERATION	VALUE LIST
EVENT LOG (see page 257)		
<i>(EVENT LOG cont'd.)</i>	Display Log	No values exist for this setting. Pressing --> initiates this operation.
<i>(EVENT LOG cont'd.)</i>	Print Log	No values exist for this setting. Pressing --> initiates this operation.
<i>(EVENT LOG cont'd.)</i>	Clear Log	Yes No
DEVELOPMENT MENU Note: Do NOT put this information in any user documentaion (Tech Ref, User's Guide, etc). This information is for Firmware Development and Test purposes ONLY. These settings should never be modified by customers or Service Engineers unless specifically directed by Firmware Development.		
<i>(DEVELOPMENT MENU cont'd.)</i>	Debug Port	=Auto (*) Serial Opt 1 Serial Opt 2 Off Note: The Serial Opt 1 and Serial Opt 2 values always appear regardless of the device's installed hardware. Note: The "Auto" setting will use the Standard Serial port as the Debug Port. This will normally be a 4-pin connector on the system card. For printer models which have the standard 25-pin serial connector populated, the "Auto" setting will map to "Off." (i.e. no Debug Port is enabled on those models by default.)
<i>(DEVELOPMENT MENU cont'd.)</i>	Print History	Selection of this item will cause a Crash History summary to be printed.
SCANNER TESTS (see page 286)		
<i>(SCANNER TESTS cont'd.)</i>	Back Side Scan Uniformity (see page 287)	Continue Exit
<i>(SCANNER TESTS cont'd.)</i>	ASIC Test	No values exist for this setting. Pressing --> initiates this test.
<i>(SCANNER TESTS cont'd.)</i>	Feed Test	No values exist for this setting. Pressing --> initiates this test.

TABLE 3-2 Diagnostics Menu Settings and Values

TOP-LEVEL MENU	INTERMEDIATE MENU, SETTING, OR OPERATION	VALUE LIST
(SCANNER TESTS cont'd.)	Sensor Test	See "Sensor Test" on page 288
EXIT DIAGNOSTICS Note: This setting appears as a soft button in the bottom right-hand corner of the panel and is always accessible to the user from the main Diagnostics Menu.		No values exist for this operation. Pressing ✓ exits the Diagnostics Menu, performs a POR on the printer, and restarts the printer in normal mode.

3.4 Configuration Menu Functional Descriptions

3.4.1 Action for Prompts

(To view this setting's placement within the Configuration Menu, see page 222.)

Configuration Setting	Values
Action for Prompts	Prompt user (*) Continue Use Current

The predecessor Change Prompt implementation enabled users to determine which input source would receive paper-related or envelope-related change prompts when they occurred (see "Paper Prompts" on page 221 or "Envelope Prompts" on page 222). Regardless of the target source, though, the device always required some type of user assistance to resolve the change prompt (e.g. pushing a button to ignore the prompt, changing the source's installed media, etc.). However, this setting gives a user the option of having the device resolve change prompt situations without requiring any user assistance.

Note: For examples of the interaction between the Action for Prompts setting and other change prompt-related settings, see Table 3-3, on page 238.

Note: This setting's value affects the device's behavior ONLY WHEN a job is not eligible for parking. If a change prompt occurs on a job that is eligible for parking, then the device displays a Job Parking message before the change prompt message. For more information about the interaction between Job Parking and change and load prompts, see "Job Parking with Change Media and Load Media Prompts" on page 437.

When set to "Prompt user", the device behaves like the past implementation. When a change prompt occurs, the device stops printing, posts the change prompt to the target source (see "Paper Prompts" on page 221 or "Envelope Prompts" on page 222), and waits for the user to select an action before continuing. For the selectable actions associated with change media IRs, see the IR section of the [Manning GUI Functional Specification](#).

When set to "Continue" or "Use current", the device automatically reacts to a change prompt as though the user selected "Continue" or "Use current" on the operator panel EXCEPT that, in both cases, NONE