

RapidID™ Network Mapping System

User Manual

Release 1.2 Version 1

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Version Number	Modifications	Date				
1.0	Initial Release	5/24/2023				
1.1	New "Review" section for " <i>Rapid</i> ID Software for Windows® OS PC"	8/2/2023				
1.2	Third-Party Scanner Support	9/6/2023				

Documentation Revision History

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Introduction to *Rapid*ID Network Mapping System

The *Rapid*ID Network Mapping System automates labor-intensive and error-prone cable documentation, resulting in a faster, easier way to place and trace cables and patch cords. It is a practical alternative to traditionally manual approaches that is ideally suited for building a new telecommunications room, locating installed cabling, or replacing a network switch. Reduce the time and cost of patch cord documentation by up to 50%. With *Rapid*ID, the painstaking labeling process is already done. Now network engineers can easily, quickly, and accurately place and trace cables to focus on more strategic initiatives. Minimize the risk of a network outage. Network documentation can drastically reduce downtime during an outage, but documenting physical infrastructure is extremely time-consuming and often overlooked or outdated. *Rapid*ID makes the documentation process less painful and reduces human error by eliminating the need for manual data entry.

Features

- Pre-labeled patch cords that automate the labor-intensive and error-prone cable documentation process that can lead to an outage
- An easy to use scanner that saves time on tracing, labeling, and documenting connections, thus freeing-up network engineers to focus on more rewarding and strategic initiatives
- A feature-rich application for Apple® and Android® mobile devices and Windows-OS desktop that reduces time and cost of patch cord documentation by up to 50%* while helping control cost and risk associated with cable installation and management

*Panduit internal time study, May 2021.

Required Components

- 1. RapidID Enabled connectivity products.
 - a. Pre-labeled patch cords that contain RapidID labels
- 2. RapidID Barcode Scanner (RPDSCN)
 - a. The *Rapid*ID handheld barcode scanner is a Bluetooth Low Energy scanner that pairs with the *Rapid*ID application. Use it to quickly scan *Rapid*ID barcodes on *Rapid*ID enabled connectivity products.
- 3. *Rapid*ID Software:
 - a. The *Rapid*ID software application is available for mobile and tablet applications through the <u>Apple iOS</u> and <u>Android</u> play stores

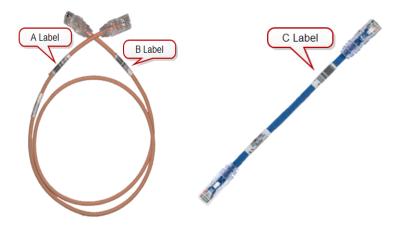
b. The *Rapid*ID software application is also available for Windows – PC through https://www.panduit.com

Components

RapidID-Enabled Connectivity Products

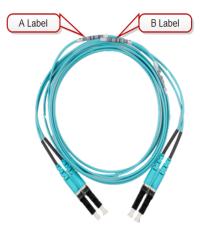
Copper Patch Cords

*Rapid*ID-enabled copper patch cords are pre-labeled with unique *Rapid*ID labels in addition to a product information label. *Rapid*ID barcode labels have a designated barcode with an 'A' & 'B' on them. The *Rapid*ID barcode is a unique identifier that is placed on the product when manufactured. For patch cords shorter than 12", a single *Rapid*ID barcode is placed on the product, with a 'C' label.



Opti-Core Fiber Patch Cord

*Rapid*ID -enabled Opti-Core fiber patch cords are pre-labeled with unique *Rapid*ID labels in addition to a product information label. *Rapid*ID labels have a designated barcode with an 'A' & 'B' on them. The *Rapid*ID barcode is a unique identifier that is placed on the product when manufactured.



Fiber Trunk Assemblies

*Rapid*ID -enabled trunk assembles are pre-labeled with unique *Rapid*ID labels in addition to a product information label. *Rapid*ID labels have a designated barcode with an 'F' & 'G' on it. The *Rapid*ID barcode is a unique identifier that is placed on each connection when manufactured.



Retrofit Labels

A reel of *Rapid*ID labels specifically enable existing infrastructures for *Rapid*ID. Labels are pre-printed with unique identifiers at the manufacturing facility. Retrofit labels are available by request through your local Panduit salesperson.



RapidID Software

- The *Rapid*ID software application is available for mobile and tablet applications through the <u>Apple iOS</u> and <u>Android</u> play stores
- The *Rapid*ID software application is also available for Windows® PC through https://www.panduit.com

See Software for details.

RapidID Bluetooth-Enabled Handheld Barcode Scanner (RPDSCN)

The *Rapid*ID handheld barcode scanner is a Bluetooth Low Energy scanner that pairs with the *Rapid*ID application. Use it to quickly scan *Rapid*ID barcodes on *Rapid*ID-enabled connectivity products.



Packaging Contents

- Barcode Scanner
- Cable Clip
- Wrist Strap
- USB-C to USB-A Charging Cable (3 feet)

Panel Description



- 1. Display: Shows working mode, power, time, barcode scans, and Navigation menus
- 2. Scan Button: Used for scanning barcodes and exiting menus
- 3. **Menu Button:** Hold for access to Scanner Menu, touch to navigate down on menu selections when inside of a menu
- 4. Select Button: Select highlighted content
- 5. Indicator Light: RGB LED status indicator
 - a. Blue = On/Connected
 - b. Flashing Blue = Connecting
 - c. Flashing Purple = Disconnected

Connect Scanner to Application

- 1. Open the menu and navigate to **Scanner** page.
- 2. Select **Scan Now** to scan for nearby devices. Ensure the scanner is turned on and in BLE mode.
- 3. Click the appropriate scanner to connect from the list.
- 4. The scanner will confirm the connection with a "beep," and a Test message will open on the app.

					2:54		
					•	canner	
Home BleManager State	PoweredOn	Scar ((0))	Scanner	<no file=""></no>		No File>	
ind Nearby Devices	Scanning	*	Test	 <unspecined></unspecined> × 	BleManager State	PoweredOn	((0
me ^	Counting	-14	1001	Signal	Find Nearby Devices	Scan Now	~
a's iPhone (3)				h.	Scanner	<unspecified></unspecified>	>
e's Apple Watch				al			
nner 347				al –	Test		`
Project Rock TW X-LE				•0 0	Name 🔨	Signal	
		ТАВІ	.ET		Mike's Apple Watch		ı
					Mikes iPad		0
					Scanner 347		
					мс	BILE	
		_				Menu	

Power

- The scanner contains an auto shut-off feature to save battery life.
 - ° The default time for auto turn off is 2 minutes.
 - ° See barcode settings for changing the timeout.

Scanner Settings

General

- Shut Down: Shuts down device
- Restore Defaults: Restores device to default settings
- Match (Bluetooth)
- Keys Trigger
- Continuous Mode: Turns scanner laser on indefinitely
- Not Sleep: Turns off the auto-turn off feature
- Delete Last
- Change Language: Change from English to Chinese or from Chinese to English

Working Mode

- Instant Upload (Default)
- Storage Mode
- Total Storage
- Upload Data
- Zero Cleaning

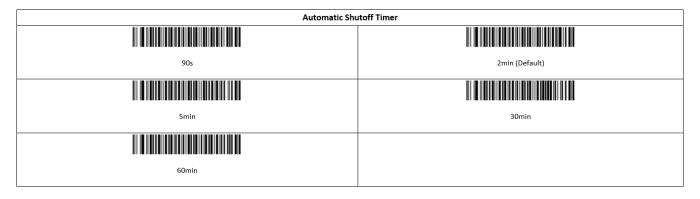
Communication

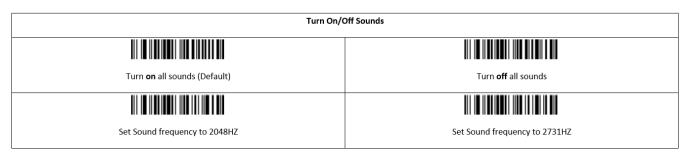
- Bluetooth_HID
- Bluetooth_SPP
- Bluetooth_BLE (Default)
- Wireless 2.4G
- WireUSB_HID
- WireUSB_COM

Time Settings

- **Disable** (Default)
- Time Prefix: Attaches time to the beginning of the scanned barcode
- Time Suffix: Attaches time to the end of the scanned barcode
- Time Correction: Manual time correction

Barcodes for Setting Changes





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	Scanner Volume	
Low volume	Medium volume	High volume (Default)
· · · · · · · · · · · · · · · · · · ·		
Set Communication to Bluetooth (BLE)		
Bluetooth-BLE (Default)		

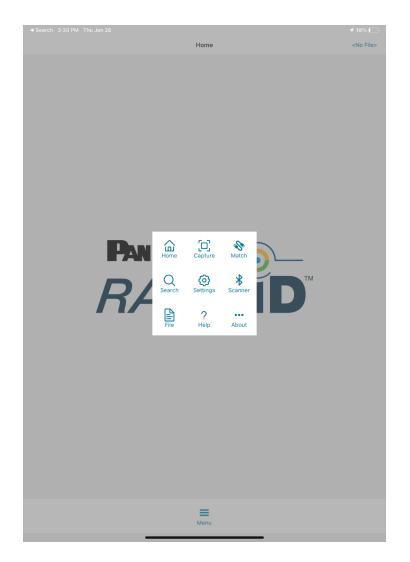
RapidID Software for Tablet/Mobile

The *Rapid*ID software provides a feature rich application that aides in the documentation and troubleshooting processes. It is available as a free software application download for mobile devices and tablets. For information about the *Rapid*ID PC application, available for Windows OS, see <u>RapidID Software for PC</u>.

Users can download the software at www.panduit.com/rapid-id

Home and Navigation

The *Rapid*ID Homepage shows the **Navigation** menu.



The navigation menu shows the following menus:

Menu	Description
Home	RapidID Home screen
Capture	Navigate to the Capture page
Match	Navigate to the Match page
Search	Navigate to the Search page
Settings	Navigate to the Settings page
File	Navigate to File Save
Help	Navigate to FAQs
About	Navigate to About page

Settings

About	Settings <no< th=""><th>o File></th></no<>	o File>
runcation	tail	\downarrow
ocation Delimiter	-	\downarrow
itial Port Number (0-999)		1
ort Number Step Size (1-999)		1
elect Barcode Scanner	<unspecified></unspecified>	*
urn Sound On/Off		 Image: A start of the start of
port capture	blip *	\downarrow
port change	buzz *	\downarrow
port verified	beep *	\downarrow
3rd port on type C	hazard •	\downarrow
▶ undo	blip *	\downarrow
▶ redo	blip *	\downarrow
match reference	blip *	\checkmark
▶ match	beep *	\checkmark
▶ mismatch	buzz *	\downarrow
search found	beep *	\checkmark
 search not found 	buzz *	\checkmark
	Resets settings to Default	

ltem	Description		
Truncation	Adjusts the truncation of text in the Module Page		
Location Delimiter	Adjusts the connector between Module and Port		
Port Number Step Size	Adjusts the step size from one port to the next when scanning		
Select Barcode Scanner	Shortcut to the scanner page		

Item Description		
Turn Sound On/Off	Turns app sounds on/off	
Sounds	Change sound response on individual actions	

Capture Page

The **Capture** page collects information regarding the location of patch cords. Using the **Module** field, a user can set the scanning location of the barcode scanner and begin documenting connections.

As the user scans, the scanning port auto-updates to the next consecutive port in the module.

< File			Capture					abinet1
Module		C6509_Blade3 🗸 Display Rows		WS		Connected	¥	
Scanni	ng Port	- 1	+	Last Scan				Inc
0	Near Port A	Barcode		Prior B	arcode	Far Port		
0	C6509_Blade3-01	17135418A0840				PatchPanel4-04		
0	C6509_Blade3-02	17131165A0107				PatchPanel4-07		
0	C6509_Blade3-03	17131165A0170				PatchPanel4-02		
0	C6509_Blade3-04	17131165A0246				PatchPanel4-03		
0	C6509_Blade3-05	17135418A0835				PatchPanel4-01		
0	C6509_Blade3-06	17131165A0177				PatchPanel4-08		
0	C6509_Blade3-07	17131165A0166				PatchPanel4-11		
0	C6509_Blade3-08	17131165A0176				PatchPanel4-05		
0	C6509_Blade3-09	17135418A0558				PatchPanel4-06		
0	C6509_Blade3-10	17131165A0247				PatchPanel4-09		
0	C6509_Blade3-11	17131165A0004				PatchPanel4-10		
0	C6509_Blade3-12	17131165A0145				PatchPanel4-12		
		83 KJ Detach Und		CH Redo	Menu			

- Module: User-defined field that groups ports
 - Scanning Port: The port the RapidID barcode will scan to
 - Display Rows: Setting for visual layout of data
 - · Connected: Only shows rows of data which contain port connections
 - Contiguous: Shows all rows of data regardless of port connections
 - ° Changed: Only shows connections of ports that have been changed
- Last Scan: Provides the last barcode scanned and a visual indicator for when the scanner is connected to the software.
- Undo/Redo

•

< File		Caj	pture		DC_Cabinet1		
Module	1	C6509_Blade3	~	Display Rows		Connected	¥
Scanni	ng Port	- 1	+	Last Scan			mai
0	Near Port 🔿	Barcode		Prior Barcode	Far Port		
0	C6509_Blade3-01	17135418A0840			PatchPanel4-04		
0	C6509_Blade3-02	17131165A0107			PatchPanel4-07		
0	C6509_Blade3-03	17131165A0170			PatchPanel4-02		
0	C6509_Blade3-04	17131165A0246			PatchPanel4-03		

- **Near Port**: Combination of Module + Scanning port to provide the location of the patch cord.
- Barcode: The RapidID barcode mapped to the near port.
- **Prior Barcode**: Used in validation, the prior barcode shows the previous barcode data associated with the Near Port.
- **Far Port**: When both sides of the patch cord are connected, this field displays the Far Port.

Verify

The verification function, located within capture page, allows for a comparison to be made between current patch cord locations and previously saved results. This enables users to verify the connection location during troubleshooting or an audit, after initial documentation has been completed.

< Hor			Capture		DC_Cabinet		
Module	9	C6509_Blade3	V Dis	splay Rows	Contigu		
Scanni	ng Port	- 3	+ La	ist Scan	9999999	99B0052	(111)
0	Near Port A	Barcode		Prior Barcode	Far Port		
0	C6509_Blade3-01	99999999A0049		17135418A0840			
0	C6509_Blade3-02	99999999B0052		17131165A0107			
0	C6509_Blade3-03	17131165A0170			PatchPanel4-02		
0	C6509_Blade3-04	17131165A0246			PatchPanel4-03		
0	C6509_Blade3-05	17135418A0835			PatchPanel4-01		
0	C6509_Blade3-06	17131165A0177			PatchPanel4-08		
0	C6509_Blade3-07	17131165A0166			PatchPanel4-11		
0	C6509_Blade3-08	17131165A0176			PatchPanel4-05		
0	C6509_Blade3-09	17135418A0558			PatchPanel4-06		
0	C6509_Blade3-10	17131165A0247			PatchPanel4-09		
0	C6509_Blade3-11	17131165A0004			PatchPanel4-10		
0	C6509_Blade3-12	17131165A0145			PatchPanel4-12		
		× K	1				

To Verify:

- 1. Navigate to the area where connections need to be verified.
- 2. Confirm the starting location.
- 3. Scan cables connected to the port locations.

Cables that are confirmed to be in the correct position will highlight green.

Cables that are incorrect will highlight red (see below: port 1 & 2) with an indication of the previous *Rapid*ID barcode.

< Hon	ne		Cap	ture	DC_Cat	binet1
Module	2	C6509_Blade3	~	Display Rows	Contiguous	\checkmark
Scannii	ng Port	— з	+	Last Scan	99999999B0052	(111)
0	Near Port A	Barcode		Prior Barcode	Far Port	
0	C6509_Blade3-01	99999999A0049		17135418A0840		
0	C6509_Blade3-02	99999999B0052		17131165A0107		
0	C6509_Blade3-03	17131165A0170)	PatchPanel4-02	
0	C6509_Blade3-04	17131165A0246			PatchPanel4-03	
0	C6509_Blade3-05	17135418A0835			PatchPanel4-01	

Note: When cabling is being updated, such as during a move, adds, and changes process, the verification function can be overridden/ignored by saving the new cables to their respective positions. After the new cables are installed and scanned into their positions, the user can save the new connections to the database, which will overwrite the previously saved connection data.

Search Function

By utilizing the currently opened file, the **Search** function can provide the port location of a patch cord. Once a barcode is scanned, the search function will then display the module and port location of the patch cord to the user.

Capture		Search	DC_Cabinet1
		Barcode to search for its location.	
	Barcode	Location 🔨	
	16942135A0759	C6509_Blade4-13	

Match Function

The **Match** page feature enables users to easily locate each end of a patch cable, without the need to manually trace cables or document their findings. This is done by scanning a *Rapid*ID barcode into the reference field, and then scanning other cables until the correct one is identified.

< Search	Match	DC_Cabinet
Reference	1700278480004 [89] Compare	17002784A0004 (4
	Test Barcodes Scan barcode to test for same cable.	
Search	Bendert March	DC_Cabin
leference	17802278480004 [wi] Compare	1700278480003
	Scan barcode to test for same cable.	
	X	
	🗞 🗮 Rostart Minu	

- **Reference**: Scan the *Rapid*ID barcode for which you're trying to find the other side
- **Compare**: Scan *Rapid*ID barcodes continuously until you find the correct other side of the reference cable
 - **Green Checkbox** = Correct other side of the cable
 - **Red "X"** = Incorrect other side of the cable
- **Restart**: Clears the Reference and Compare fields, and resets the page for another match connection

File Function

The **File** page provides the user capabilities to save, delete, import, and export files and data.

< Home					File					DC_Cabinet
Enter Filename										×
DC_Cabinet1										
NEMA_MDC.json										
	✓ Save	A. Save As	C. Load	X Close	⊲ CSV	کې Export	Import	Ü Delete	Menu	
			_				_			

- Save: Saves progress in the current session
- Save As: Saves the current session as a new file
- Load: Loads a user selected file
- Close: Closes the current session
- CSV: Exports a file as a comma-separated values (.CSV) text file
- **Export**: Exports a file as a JSON. (Allows the file to be transferred to other hardware devices)
- Import: Imports JSON files from other hardware devices
- Delete: Deletes the selected file

Unsaved Changes

When a user makes changes to a file but do not save them, the file and modules with changes will be highlighted.

Module C6509_Blade3 Display Rows Connected Scanning Port - 1 + Last Scan	
	[mu]
	\checkmark
✓ File Capture DC_Cab	inet1

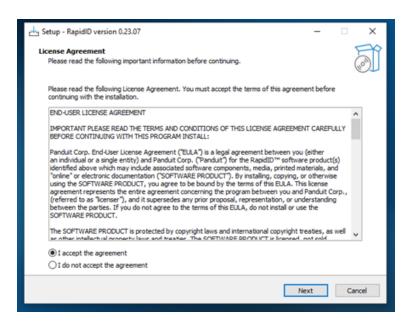
RapidID Software for Windows® OS PC

RapidID for PC is a local host application that can be run on any Windows machine.

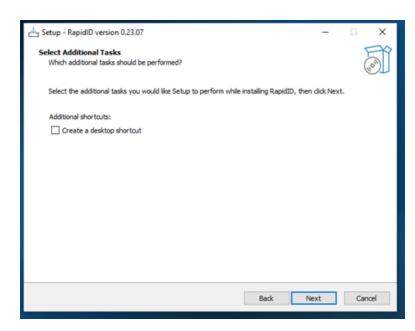
Users can download the software at www.panduit.com/rapid-id

To install RapidID onto a local Windows Device:

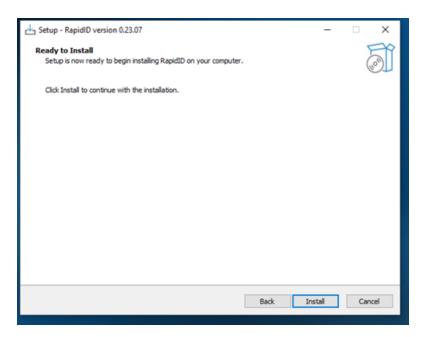
1. Agree to the terms of the End-User License Agreement.



2. Create desktop shortcut (optional).



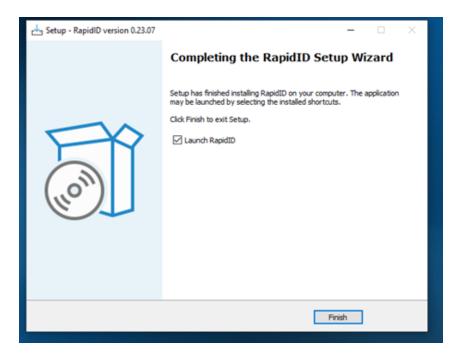
3. Start the installation.



RapidID software begins installing.

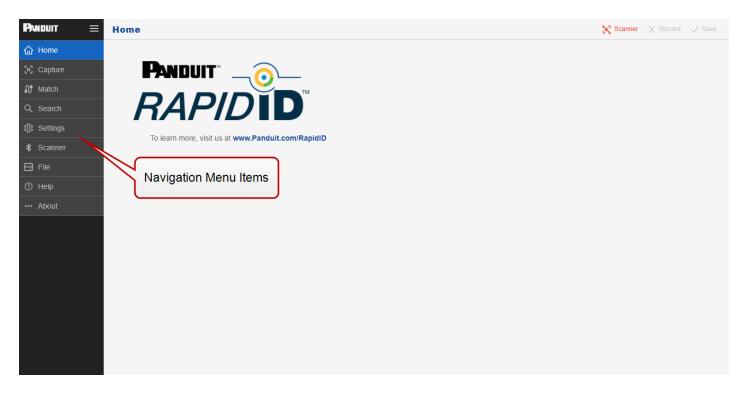
c나 Setup - RapidID version 0.23.07	-	• ×
Installing Please wait while Setup installs RapidID on your computer.		
Extracting files C:\Panduit\RapidID\rapidid-0.0.1-SNAPSHOT.jar		
		Cancel

4. When installation completes, click **Finish** to launch the application.



Navigation

Starting the application takes the user to the home page.



Application Launch

When launched, the *Rapid*ID application will launch the server, open the local browser, and navigate to 'localhost:8080'

Note: Only one instance of the RapidID software is allowed at a time.



Settings

Panduit =	Settings					🗙 Scanner 🗙 Discard 🗸 Save
습 Home ⓒ Capture 얇 Match		Language Choose a preferred language or detect the language from the trouser's language preference (defaults to English for unsupported languages).	Language automatic v	Location Delimiter The test character within a port location entry separating module name from port number.	- Location Datimitar	
Q, Search ② Settings ★ Scanner ☐ File		Initial Port Number (0-999) The scarning port number will be reset to this value after you change the module name through the module input control on the capture screen.	Initial Pot Number	Port Number Step Size (1-999) The step size for sub-incrementing the scarning port following a capture scan.	Port Number Step Size	
 Help About 		Barcode Scanner The most monetly connected haroade scanner, befortiste the scanner is automatically reconnect after an unintended disconnect.	Samar Nane na hatary Samar taetter no history	Allow Sounds Alaxes the application to play sounds.	Sounds	
		Port Capture This sound plays for a new connection.	Port Capture V	Port Change This sound plays for a connection change.	Buzz v	
		Port Verified This sound plays for a verified connection.	Port Verlad	Third Port This sound plays for detecting trying to add a 3rd connection to a type C cable.	Third Port	
		Undo This sound plays for undo.	blp v	Redo This sound plays for redo.	blp v	
		Reference cable This sound plays for selecting a cable that you want to match.	Ratemas cabe	Same This sound plays when the same cable is found.	beep v	
		Differ This sound plays when a different cable is found.	buzz v	Found This sound plays for a search that finds at least one connection.	beep v	
		Not Found This sound plays for a search that does not find any connections.	Not Found	Restore Factory Defaults	Restons Factory Defaults	

Scanner

The Scanner Page within the *Rapid*ID application serves as the central hub for connecting and managing your barcode scanners. Whether you're using *Rapid*ID's native scanner solutions or third-party devices, this page is where you'll set up and configure your scanners for optimal performance.

New in Version 1.2.0: Third-Party Scanner Support

The version 1.2.0 update of *Rapid*ID now incorporates support for third-party barcode scanners. This new functionality allows users to connect barcode scanners using Serial

COM interfaces, including both Bluetooth Serial Port Profile (SPP) and Wired USB COM. For more details, visit the Third Party Scanner Certification Guide.

Rapidi			×	+		
€ →	9 (0	localho	#8080/s			
PNDUIT	:	= s	canne	r		
		1	Scann			۲
			ocarin			U
Ø Match			Sca	nner Type	E.E.	*
Q, Search						
@ Review			Scan	ner Status	connected	
Setting						
T ¹ Scanne					Symbol Bar Code Scanner.:EA	
🖯 File					COM5	
() Help			Test	Barcode		
About						
			Die	connect	Scan for Devices	Ship
		1.5				

- Scanner Type: Sets the type of scanner that you're connecting to the *Rapid*ID application. Choose between 'Serial' for Serial COM scanners and 'BLE' for Bluetooth Low Energy scanners.
- Scanner Status: Provides real-time status updates on the connection state of your barcode scanner. The statuses include Connected, Disconnected, and Re-Connecting.
- Name & ID: Displays the name and the unique identification number (ID) of the connected barcode scanner.
- **Test Barcode**: This feature is designed for troubleshooting and confirming that the scanner is functioning correctly with the application.

Connecting a Scanner in BLE Mode (RPDSCN)

- 1. Select scanner and scanner type **BLE**.
- 2. If not already scanning, click the Scan for Devices button.

Scanner		0
Scanner Type Smith	n.c	*
Scanner Status disconnecti	ed	
Name	ID	Signal
Scanner 355	dd.0d.30.a5 df.42	atl
	Scan for Device	4 () 5hp

3. Select the scanner (The scanner name ie. 355 will match the ID of the RPDSCN)

Note: Ensure scanner is in BLE mode.

anner		0	Construction of the local division of the lo
Scanner Type Serve	BLE .	*	
Scanner Status disconne	cled		BLE 355 - 00:19 2023/04/06
Name	ID	Signal *	
DSNYMBLE	6c.92.b9.b1.4c.35	d.,	
Scanner 355	dd 0d 30 a5 df 42	all	
Versa 2	fe 4e de 4b 7b ec	d.,	
	e9 a9.7a 66.40 c5	d. *	

The scanner is now connected to the RapidID application.

Note: The application will attempt to auto-reconnect when the scanner goes into sleep mode.

canner				(
Scanner Type	Serial	BLE		*
Scanner Status	connected			
Name	Scanner 355			
ID	dd:0d:30:a5:d	lf:42		
Test Barcode				

Connecting a Scanner in Serial Mode (Third Party Scanners)

Serial mode gives users the ability to connect a third party scanner to the *Rapid*ID application. It's enabled for customers who are looking for a reliable wired connection as well as customers who want to use their own barcode scanners.

1. Ensure that your barcode scanner is in the appropriate connection mode and is connected to the windows operating system via the appropriate protocol (Bluetooth Serial Port Profile, Wired COM, etc.). For more information, see the Third Party Scanner Certification Guide.

- 2. Select scanner type **Serial**.
- 3. Click the **Scan for Devices** button.

Scanner Type Serial	BLE		×
Scanner Status disconnecte	ed		
Name		ID	
PCI Serial Port		COM3	
Serial port		COM6	
Symbol Bar Code Scann	er::EA	COM5	

4. Select the scanner (Serial scanners will show their ID as the connected COM port).

Scanner Type Serial BL	E
Scanner Status disconnected	
Name	ID
PCI Serial Port	COM3
Serial port	COM6
Symbol Bar Code Scanner::EA	COM5

The scanner is now connected to the RapidID application.

Note: The application will attempt to auto-reconnect when the scanner goes offline

canner	(
Scanner Type	Serial BLE *
Scanner Status	connected
Name	Symbol Bar Code Scanner::EA
ID	COM5
Test Barcode	
Test Barcode	
Disconnect	Scan for Devices Stop

Capture

The **Capture** page collects information regarding the location of patch cords. In *Rapid*ID for PC, the user defines the location of patch cords using the **Site**, **Zone**, and **Module** fields.

Note: A Site, Zone, and Module must be defined and selected before beginning to scan.

As the user scans, the scanning port auto-updates to the next consecutive port in the module.

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← → C ○ loc	alhost 8088/capture				2 e 🔹 🖬 🔺 i
Preduct =	Capture				🗙 Scanner 兴 Discard 🗸 Save
	Site				Cisplay Mode
(e) Capture					congrous
Øf Match	Scanner Focus				
Q, Search	Zone		Module	Scanning Part	0 0
Other Settings					
\$ Scanner					
E rie	Capture Data				5 A
🕐 Ноф	Near End ^	Barcode	Prior Barcode	Note	Far End
About					

	ost.0000/capture				
					C 🕁 🖬 🔺
	Capture				🗙 former 🖂 Decert 🗸 (
Home	- 54r				- Display Mode
Capture	Data Center	6	8		contiguous
Match	Scanner Focus				
Search	- 2014	- Model		/ Scatting Put	
Settings	R1-Cabinet1	085C	9_89465	1 8	0 0
Scamer					
File	Capture Data				
Help	Near End	Barcode	Prior Barcode	Note	Far End
About	C6509_Blade3-01	17135418A0840			PatchPanel4-04
	C6509_Blade3-02	17131165A0107			PatchPanel4.07
	C6509_Blade3-03	17131165A0170			PatchPanel4.02
	C6509_Blade3-04	17131165A0246			PatchPanel4-03
	C6509_Blade3-05	17135418A0835			PatchPanel4-01
	C6509_Blade3-06	17131165A0177			PatchPanel4-08
	C6509_Blade3-07	17131165A0106			PatchPanel4-11
	C6509_Blade3-08	17131165A0176			PatchPanel4.05
	C6509_Blade3-09	17135418A0558			PatchPanel4-05
	C6509_Blade3-10	17131165A0247			PatchPanel4-09
	C6509_Blade3-11	17131165A0004			PatchPanel4-10
	C6509_Blade3-12	17131165A0145			PatchPanel4-12
	C6509_Blade3-13	17131165A0072			
	C6509_Blade3-14	17135418A0756			
	C6509_Blade3-15	17131165A0305			
	C6509_Blade3-16	17131165A0304			

A user can add a note to a cable with the free form text field in the note's column. Notes are connected to each side of a connection.

Ca	pture Data					6 Ø
	Near End ^	Barcode	Prior Barcode	Note	Far End	î
	C6509_Blade3-01	17135418A0840		Add a note here	PatchPanel4-04	
	C6509_Blade3-02	17131165A0107			PatchPanel4-07	
	C6509_Blade3-03	1706651281096			PatchPanel4-02	
	C6509_Blade3-04	17131165A0246			PatchPanel4-03	
0	C6500 Rindo2.05	47135410A0035			DatchDappld 04	

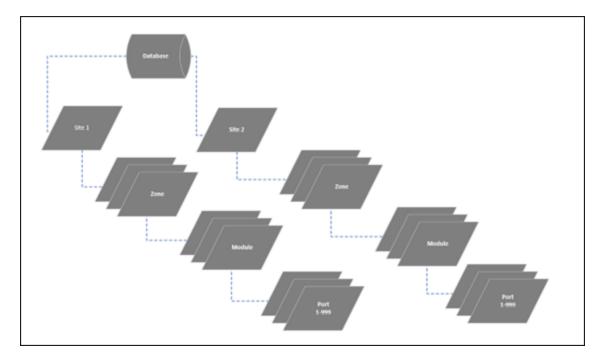
Data Structure: Site – Zone – Module – Ports

- **Sites**: The top level which represents a physical location or site where data is stored or processed. Examples could include a building, or a campus.
- **Zone**: The second level is the Zone, which represents a specific area within a site. They can have varying levels of detail, and a site can contain many zones. Examples could include a cabinet in a data center, or an entire telecommunications room.
- **Module**: The third level is the module, which represents a specific functional unit within a zone. Zones can have multiple modules. Examples could include

networking equipment such as switches, servers, patch panels, and/or rack units.

Note: Module names cannot contain spaces

• **Ports**: The fourth level is the port, which represents a specific interface or connection within a module. For example, a network switch has several ports. Ports range from 1-999.



Tip: Setting up a data structure that makes sense for your organization is important. Define a structure ahead of time to ensure clean data.

Verify

The verification function, located within Capture, allows for a comparison to be made between current patch cord locations and previously saved results. This enables users to verify the connection location during troubleshooting or an audit, after initial documentation has been completed.

To Verify:

- 1. Navigate to the area where connections need to be verified.
- 2. Confirm the starting location.
- 3. Scan cables connected to the port locations.

UT 🔳 C	apture				요 ☆ 🖬 🗍
ome C	Ste	18			Display Mode contiguous
pture					
sich	Scanner Focus				
arch	DC Cabinet 1	2 🗊 - Mass	e0_Blade3	Scarring Po	er
stings	UC CALMENT				
anner					
ie i	Capture Data				\$
10	Near End ^	Barcode	Prior Barcode	Note	Far End
out	C6509_Blade3-01	17135418A0840			PatchPanel4-04
	C6509_Blade3-02	17131165A0107			PatchPanel4-07
0	C6509_Blade3-03	16942135A0759			
0	C6509_Blade3-04	16942135A0779	17131165A0246		
0	C6509_Blade3-05	16942135A0941	17135418A0835		
0	C6509_Blade3-06	16942135A0948			
0	C6509_Blade3-07	17131165A0166			PatchPanel4-11
0	C6509_Blade3-08	17131165A0176			PatchPanel4-05
0	C6509_Blade3-09	17135418A0558			PatchPanel4-06
0	C6509_Blade3-10	17131165A0247			PatchPanel4-09
0	C6509_Blade3-11	17131165A0004			PatchPanel4-10
0	C6509_Blade3-12	17131165A0145			PatchPanel4-12
0	C6509_Blade3-13	17131165A0072			
0	C6509_Blade3-14	17135418A0756			
0	C6509_Blade3-15	17131165A0305			
0	C6509_Blade3-16	17131165A0304			
0	C6509 Blade3-17	17131165A0179			

Cables that are confirmed to be in the correct position will highlight green.

File	Ca	pture Data				\$ \$
Help		Near End ^	Barcode	Prior Barcode	Note	Far End ^
About		C6509_Blade3-01	17135418A0840			PatchPanel4-04
		C6509_Blade3-02	17131165A0107	_		PatchPanel4-07
		C6509_Blade3-03	16942135A0759			

Cables that are incorrect will highlight red with an indication of the previous *RapidID* barcode.

	Ca	pture Data				\$
Help		Near End ^	Barcode	Prior Barcode	Note	Far End
About		C6509_Blade3-01	17135418A0840			PatchPanel4-04
		C6509_Blade3-02	17131165A0107			PatchPanel4-07
		C6509_Blade3-03	16942135A0759			
		C6509_Blade3-04	16942135A0779	7131165A0246		
		C6509 Blade3-05	16942135A0941	7135418A0835		

Note: When cabling is being updated, such as during a move, adds, and changes process, the verification function can be overridden/ignored by saving the new cables to their respective positions. After the new cables are installed and scanned into their positions, the user can save the new connections to the database, which will overwrite the previously saved connection data.

Match

Like *RapidID* Mobile, the Match page feature enables users to easily locate each end of a patch cable, without the need to manually trace cables or document their findings. This is done by scanning a *RapidID* barcode into the reference field, and then scanning other cables until the correct one is identified.

🛃 RapidD × + → C (i) localhost 8080 - 42 PMDUIT = Match (o) Scanner ☆ Home Match Scan a reference ID and locate match of other side of cable 0 Match Q Search Reference ID 17002784B0004 🖄 Settings Scanned ID Scanne 17002784A0003 🖯 File ⑦ Help --- About

Result of Incorrect Match – Cable ends compared *are not* the same.

Result of Correct Match - Cable ends compared are the same.

📷 RapidID		x +	~ - ¤ ×
$\ \ \leftrightarrow \ \ \sigma$	③ loca	Rost 8080/match	e 🖈 🗉 🛜 E
PNDUIT	≡	Match	😒 Scanner 🛛 🗙 Discard 🗸 Save
습 Home		Match	
Capture			
🕼 Match		Scan a reference ID and locate match of other side of cable.	
Q Search		Reference ID	
Settings		17002784B0004	
\$ Scanner		17002784B0004 Scanned ID 17002784A0004	
🗄 File			
🗇 Неір			
About		Reset	

Search

The search function provides the user with information regarding the physical location of a cable. Using the user defined location within the capture, the search function will return the location of the cable.

⇒ C ⊙ ⊨	calhost 8080/search	□ () (und
DUIT =	Search	🗙 Banner - 🗙 Dacael - 🗸 Dac
	Barcode	
aphare	Barcooe	
	17131165A0177	
	1/13/165/01/7	
sarch		
ettings	(
	Location	
	Data Center-R1-Cabinet1-C6509_Black	23-06
	Part Information 😱	UTP6AX56U
	Application	(1) 10GBASE-T Ethemet (2) Data center I/O Consolidation (3) Data center server virtualization (4) Backbone aggregation (5) Parallel processing and high speed
		computing.
	Boot Color	Clear
	Cable Construction	U/UTP
	Color	Blue
	Color Conductor Gauge (AWG)	8be 24
	Conductor Gauge (AWG)	24
	Conductor Gauge (AWG) Conductor Type	24 Sold
	Conductor Gauge (AWG) Conductor Type Connector 1 Type	24 Sold Modular Plug
	Conductor Gauge (AWG) Conductor Type Connector 1 Type Connector 2 Type	24 Sold Modular Plug Modular Plug
	Conductor Gauge (AWG) Conductor Type Connector 1 Type Connector 2 Type Flammability Rating	24 Solid Modular Plug CM
	Conductor Geuge (AWG) Conductor Type Connector 1 Type Connector 2 Type Flammability Rating IEC Variant	24 Sold Modular Plug CM 60003-7
	Conductor Gauge (AWG) Connector Type Connector 1 Type Connector 2 Type Flammability Rating IEC Variant Jacket Material	24 Solid Moduler Plug CM 60003-7 Polyvingt Chlonde (PVC) 60
	Conductor Gauge (AWG) Conductor Type Connector Type Connector 2 Type Flammability Rating TEC Variant Jacket Material Maximum Operating Temperature (*C)	24 Solid Moduler Plug CM 60003-7 Polyvingt Chlonde (PVC) 60
	Conductor Gauge (AWG) Conductor Type Connector 1 Type Connector 2 Type Flammability Rating IEC Variant Jacket Material Maximum Operating Temperature (*C) Maximum Operating Temperature (*F)	24 Sold Modular Plug CM 60603-7 Polyvingt Chlonde (PVC) 60 140 70
	Conductor Gauge (AWG) Connector Type Connector 1 Type Connector 2 Type Flammability Rating IEC Variant Jacket Material Maximum Operating Temperature ("C) Maximum Storage Temperature ("C)	24 Sold Modular Plug CM 60603-7 Polyvingt Chlonde (PVC) 60 140 70
	Conductor Gauge (AWG) Conductor Type Connector Type Connector 2 Type Flammability Rating IEC Vanant Jacket Material Maximum Operating Temperature (°C) Maximum Storage Temperature (°C) Maximum Storage Temperature (°C)	24 Solid Modular Plug CM 60003-7 Polyvinyl Chionde (PVC) 60 140 70 158 158
	Conductor Gauge (AWG) Conductor Type Connector 1 Type Connector 2 Type Flammability Rating TEC Variant Jacket Material Maximum Operating Temperature ("C) Maximum Operating Temperature ("F) Maximum Storage Temperature ("C) Maximum Operating Temperature ("C)	24 Solid Modular Plug CM 60003.7 Polymyl Chonde (PVC) 60 140 70 158 158

Part Information

Users can now use *Rapid*ID to find out more information about a product. A *Rapid*ID label is scanned or typed into the barcode text box, the user can find out more information about the cable. Click the cloud image to retrieve information about the product. Information includes the part number, cable color, length, flame rating among many others.

Once information is received, it will be stored on the local machine.

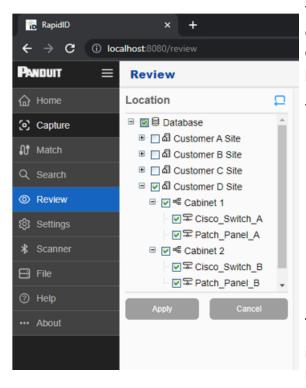
Note: An internet connection is required.

Review

The Review Page offers a thorough analysis and evaluation of all connections housed within the *Rapid*ID database. It also enriches this data by incorporating connection information sourced from the Capture Page and layering it with relevant part details.

This feature proves to be beneficial when a user must examine several connections simultaneously, generate a bill of materials, or delve into the finer details of connectivity at a given location.

RapidD													
• > C (0)	locahost.0000/review											ß	e 🔹 🗖 🖀
NIDUIT I	Review											🛞 tiann	🖌 🗙 Discard 🗸 S
	Location 📮	Connection											+ 4
Capture	■ 🖬 🖬 Database	Near End						Far End					Part Information
	* 🗋 🕼 Customer A Site * 📑 🕼 Customer B Site	Site *	Zone	Module	Port	Barcode	Note	Site	Zone	Module	Port	Barcode	Part Number
	* 🛄 🕼 Customer C Site	Customer D Site	Cabinet 1	Cisco, Switch, A	7	1701840840206		Customer D Site	Cabinet 1	Patch_Panel_A	1	1701840690205	UTP28CH108U
Review		Customer D Site	Cabinet 1			17002784A0000		Customer D filte	Cubinet 1	Patch Panel A	4	17002784800003	UTP28CH108U
Settings	Cisco_Switch_A	Curtomer D Site	Cabinet 1	Cisco, Switch, A		1700278440002		Customer D Site	Cabinet 1	Patch_Panel_A	4	1700278490002	UTP28CH10EU
	Patch_Panel_A	Customer D Site	Cabinet 1	Clace, Bullch, A	10	1701640640202		Customer D Site	Cubinet 1	Patch_Panel_A	6	1701040000202	UTP28CH108U
	■ 🖉 S Cabinet 2 🖉 I Cisco_Switch_B	Customer D Site	Cabinet 1	Cisco, Switch, A	11	1701840640257		Customer D Site	Cabinet 1		3	1701840696257	UTP28CH108U
	Patch_Panel_8 +	Customer D Site	Cabinet 1	Clace_Bullet_A	12	17002784A0004		Customer D Site	Cubinet 1	Path Panel A	2	1700278480004	UTP28CH108U
	Apply Cancel	Curtomer D Site	Cabinet 1	Cisco_Switch_A	21	1731221400633		Customer D Site	Cabinet 1		-	1731221400633	UTP285P1BU
		Customer D Site	Cabinet 1		22	1731221400037		Customer D Site	Cabinet 1	Path, Panel, A	19	1731221400037	UTP285P18U
		Customer D Site	Cabinet 1		23	1731221400035		Oustomer D Site	Cabinet 1		20	1731221400035	UTP285P1BU
		Customer D Site	Cabinet 1		24	1731221400024		Customer D Site	Cabinet 1	Path_Panal_A	21	1731221400024	UTP285P1BU
		Customer D Site	Cabinet 1	Patch_Panel_A	1	1701840880206		Customer D Site		Citco_Switch_A	7	1701840640205	UTF28CH106U
		Customer D Site	Cabinet 1		2	1700278480004		Customer D Site	Cabinel 1	Cisco_SvRch_A	12	17002784A0004	UTP28CH108U
		Customer D Site	Cabinet 1	Patch_Panel_A	3	1701840880257		Customer D Site	Cabinet 1	Citco_Switch_A	11	17018406A0257	UTP28CH108U
		Customer D Site	Cabinel 1	Patch_Panel_A	4	1700278480000		Customer D Site	Cabinel 1	Cisco_SvRch_A	8	1700278440003	UTP28CH108U
		Customer D Site	Cabinet 1	Patch_Panel_A	5	1701840880282		Customer D Site	Cabinet 1	Citco_Switch_A	10	17018406A0202	UTP28CH108U
		Customer D Site	Cabinet 1	Patch_Panel_A	6	1700278480002		Customer D Site	Cabinel 1	Cisco_Switch_A	9	1700278440002	UTP28CH108U
		Customer D Site	Cabinet 1	Patch_Panel_A	13	1094213540759		Customer D Site	Cabinet 2	Patch_Panel_B	22	1594213500759	UTP28X7GY
		Customer D Site	Cabinet 1	Patch_Panel_A	14	1604213540779		Customer D Site	Cabinet 2	Patch_Panel_B	21	1694213580779	UTP28X70Y
		Customer D Site	Cabinet 1	Patch_Panel_A	15	10942135A0941		Customer D Site	Cabinet 2	Patch_Panel_B	29	1594213560941	UTP28K7GY
		Customer D Site	Cabinet 1	Patch_PaneLA	16	1694213540948		Customer D Site	Cabinet 2	Path_Panel_B	18	1894213580948	UTP28X70Y
		Contonier D Site	Calured 1	Patri Parul A	17	MACTINADAT		Customer D Site	Cableset 2	Patris Panal B	-	1042717080817	LITP28XT/SV
													< 1



The left-hand navigation panel serves as a convenient tool for users to pinpoint the desired data location, and it also provides a precise filtering function for your needs.

To Access Data:

- 1. Use the '+' button to unfold the hierarchical view.
- 2. Choose your required data points (Site, Zone, Module). Keep in mind that selecting a site will, by default, include all the zones and modules under it.
- 3. Hit the 'Apply' button to display the selected data.

Tip: To make your workspace less cluttered,

use the button to minimize the location navigation panel.

Review Page Functions

RapidD X	+												v – a
← → C () localhost ((())/revi													e e e 🖬 🖬 🖀
Review												(s) 8ca	nnar 🗙 Discard 🗸 Saw
Location	0	Connections	5										+ 🛪 🗘
■ □ Ø Customer A Ste		Near End						Far End					Part Information
* 🖂 🖞 Customer B Site		Site^	Zone	Module	Port	Barcode	Note	Site	Zone	Module	Port	Barcode	Part Number
I Customer C Ste I Customer D Ste	н	Customer D Site	Cabinet 1	Cisce_Switch_A	7	17018408A8205		Customer D Site	Cabinet 1	Patch_Panel_A	1	1701840660205	UTP28CH10EU
ii 📝 📽 Cabinet 1		Customer D Site	Cabinet 1	Cisce_Svitch_A	8	17002784A0000		Customer D Site	Cabinet 1	Paton_Panel_A	4	17002784800003	UTP28CH108U
	н	Customer D Site	Cabinet 1	Cisce_Switch_A	9	17002784A0002		Customer D Site	Cabinet 1	Patch_Panel_A	6	1700278480002	UTP28CH10EU
B C Cabinet 2	н	Customer D Site	Cabinat 1	Cisce_Switch_A	10	1701840848252		Customer D Site	Cabinet 1	Patch_Panel_A	5	1701843080202	UTP28CH108U
Cisco_Switch_B		Oustomer D Site	Cabinet 1	Cisce_Switch_A	11	1701840840257		Customer D Site	Cabinet 1	Patch_Panel_A	э	1701040000257	UTP28CH10BU
Patch_Panel_B	-	Customer D Site	Cabinet 1	Cisco_Svilch_A	12	17002784A0004		Customer D Site	Cabinel 1	Patot, Panel, A	2	1700278480004	UTP28CH10BU
Apply Cancel		Customer D Site	Cabinet 1	Ciece_Switch_A	21	1731221400633		Customer D Site	Cabinet 1	Patch_Panel_A	18	1731221400633	UTP289P18U
		Customer D Site	Cabinet 1	Cisco_Svilch_A	22	1731221400037		Customer D Site	Cabinel 1	Pation_Panel_A	19	1731221400037	UTP289P1BU

+

Setting Up Additional Columns: This feature lets users augment the table with extra columns of part information, such as color, length, and performance. By clicking the button, a window will appear, where users can select from all available fields within the part information tab, arrange them, and determine their order of importance before they appear on the table.

Available		Selected	
Search		Bearch	
Patch Cord Type Plug Housing Material Plug Type PoE Compatibility Product Type Resistance Properties Std. Ctn. Volume (cf)	» > <	Performance Level Color Overall Length (ft.)	K < N

Downloading Part Information: In a similar fashion to the search page, the part information button enables users to access and download supplementary part details about the products housed in the database. Unique to the review page,

activating this button will conduct a bulk update of all parts currently chosen for review. If you wish to bulk update the whole database, simply click on the database filter in the location tab to reveal all connections, followed by clicking the download part information button.

Exporting as CSV: This function allows users to export the data table currently vis ible on the review page as a '.CSV' file, making it compatible for use with other applications.

File

The file page contains six options for importing and exporting data within *Rapid*ID PC, each with a unique function.

RapidD					
	() loca	host 8080/19			
PNDUT	=	File			
		Import			
(capture		Import			
段 Match			RapidD PC Data	Monite/Tablet	Module Names
Q, Search					
🕸 Settings		Export			
\$ Scanner		-			
E re			RepidID PC Data	Mobile/Tablet	CSV
() Help					
About					

Import

• **RapidID PC Data**: Imports data from another version of *RapidID* for PC. Includes Site & Zone files. Data will be recognized as a '.ZIP' file. Clicking the button opens a guided setup.

• **Mobile/Tablet**: Imports data from *Rapid*ID Mobile/Tablet. Data will be recognized as a '.JSON' file. Clicking the button opens a guided setup.

Note: Upon import, the user will need to define what Site and Zone the file should import to.

• **Module Names**: Imports module data in mass from a text file. Examples include '.TXT', '.CSV'. Clicking the button will open a guided setup.

Note: Upon import, the user will need to define what Site and Zone the file should import to.

Export

- **RapidID PC Data**: Exports data from *Rapid*ID for use with another instance of *Rapid*ID PC. The user can select an individual site or zone to export. Data will be exported as a '.ZIP' file.
- **Mobile/Tablet**: Exports data from *Rapid*ID for use with an instance of *Rapid*ID Tablet/Mobile. The is only able to select an individual zone to export. Data will be exported as a '.JSON' file.
- **CSV**: Exports data from *Rapid*ID as a '.CSV' file for use with other programs. The user can select an entire site or zone to export.

Database Backup/Restore

To preserve your database, Panduit recommends periodically backing up your *RapidID* database. Database backups are an essential way to preserve data in the event of a system failure.

Note: It is recommended that databases are backed up before importing other files into *Rapid*ID.

Database Backup:

- 1. Navigate to: 'C:\Panduit\RapidID'.
- 2. Run: 'dbbackup.bat'.
- 3. Once database backup is completed, the file will be available in 'C:\Panduit\RapidID\backup'.

Note: it is recommended that the backup file is saved to a secure location.

Database Restore:

- 1. Navigate to: 'C:\Panduit\RapidID'.
- 2. Run: 'dbrestore.bat'.

- Select the database backup file where you want to restore the database.
 Once the database restore has been completed, close program and restart *Rapid*ID application.