



RDS Print Interceptor

PDF capture • page routing • RAW output

USER MANUAL

Installation, configuration, licensing and daily operation

Software version 1.0.24.35

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Purpose of this manual

This guide is intended for administrators and end users who install, configure and operate RDS Print Interceptor on a Windows computer. It describes the features available in version 1.0.24.35.

Reprodata Services Ltd

Office Printing Experts - Since 1982

<https://rds.com.cy>



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At a glance

Task	Where to go
Create or edit an RDS printer	Settings > Profiles / Input Printers
Add a physical destination	Select a profile > Add Output
Split pages between printers	Edit Output > Set Pages...
Check license or request licenses	Tray icon > License Status
Check for a software update	Tray icon > Check for Updates
Collect diagnostics	Tray icon > Export Support Logs



1

Product overview

What RDS Print Interceptor does

RDS Print Interceptor creates one or more Windows input printers. When a user prints to an RDS profile printer, the background service captures the document, prepares a PDF, applies the selected routing rules and sends the required pages to one or more network printers using RAW TCP/IP.

How a print job moves through RDS Print Interceptor

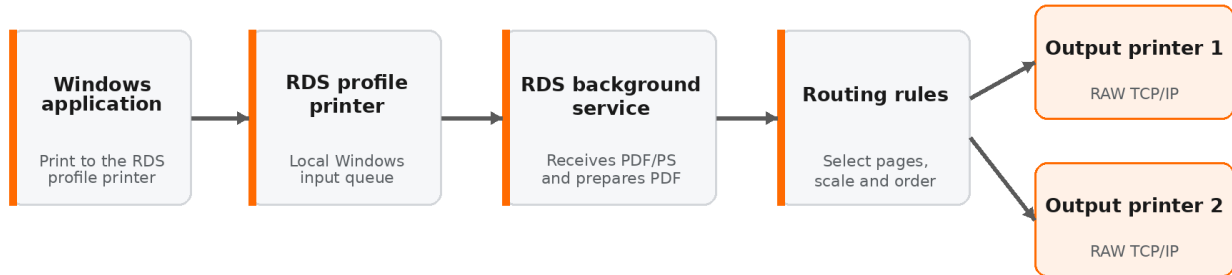


Figure 1 - Print capture and routing flow

Core concepts

Term	Meaning
Profile	A complete print workflow. Each profile creates one Windows input printer and has its own watch folder and local receiver port.
Input printer	The Windows printer selected by the user in applications such as Microsoft Word, a browser or an accounting system.
Output printer	A physical network printer or multifunction device that receives routed pages by IP address or hostname.
Page rule	Defines which pages an output printer receives. Rules can be All, a fixed selection or conditional on total page count.
Page order	Defines the order and repetition of the pages after selection.
Background service	The Windows service that receives and processes print jobs even when the Settings window is closed.
Tray application	The user interface for Settings, License Status, Logs, Updates, About and service repair.

Current scope

This version supports local RDS profile printers and network output printers. Windows printer sharing is not configured or supported by the application.



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System requirements

Minimum and recommended environment

Supported operating systems

- Microsoft Windows 11, 64-bit
- Microsoft Windows 10, 64-bit
- Windows Server 2019 or Windows Server 2022 with Desktop Experience
- A 64-bit Windows installation is required

Not supported

Windows Server Core, 32-bit Windows, macOS and Linux are not supported.

Hardware and storage

Component	Minimum	Recommended
Processor	64-bit dual-core processor	Modern 64-bit multi-core processor
Memory	4 GB RAM	8 GB RAM or more
Free disk space	1 GB plus temporary print-job space	2 GB or more
Network	Connection to each output device	Wired Ethernet and stable printer addressing

Output printer requirements

- The device must be reachable by IP address or hostname from the RDS host computer.
- RAW TCP/IP printing must be enabled, normally on port 9100. The port is configurable.
- The device must accept PDF or the converted print stream produced by the configured capture path.
- USB-only output printers are not supported as direct output destinations.

Windows and Internet requirements

- Local Administrator rights are required for installation, updates and printer creation.
- Windows Print Spooler must be installed and running.
- Microsoft Print to PDF is preferred. A suitable PostScript driver is used as a fallback when required.
- Ghostscript can be bundled with the application and is used when PostScript conversion is required.
- Outbound HTTPS access on TCP port 443 is required for licensing and software updates.



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Installation and upgrade

Installing the signed RDS package

Before installation

- Confirm that you have the current signed installer supplied by RDS.
- Confirm that the output printers are online and that you know their IP addresses or hostnames and RAW ports.
- Sign in with a Windows account that has Local Administrator rights.

1

Start the installer

Right-click RDS_Print_Interceptor_Setup_1.0.24.35.exe and select Run as administrator.

2

Confirm the publisher

Windows should show REPRODATA SERVICES LIMITED as the publisher. Approve the User Account Control request.

3

Complete setup

The installer copies the application, installs and starts the RDS background service and creates the Start menu and tray startup entries.

4

Finish installation

The tray application starts automatically and confirms that RDS Print Interceptor is running.

Microsoft Defender SmartScreen

A newly released installer may display a SmartScreen reputation warning even when the digital signature is valid. Check that the publisher is REPRODATA SERVICES LIMITED before selecting Run anyway.

Installing over an older version

Versions 1.0.24.27 and later can normally be upgraded in place. Do not uninstall first, because an in-place upgrade preserves the active configuration and licensing state.

1. Exit the tray application if it is open.
2. Run the newer signed installer as administrator.
3. Allow the installer to update the files and restart the background service.
4. Open Settings and confirm that profiles and output printers are still present.

Very old builds

For older clawPDF or PDF24 test builds, use a clean uninstall before installing the current local-receiver version.



3

Installation and upgrade

Post-installation checks

Confirm the installation

Check	Expected result
System tray	RDS Print Interceptor icon is visible in the tray or hidden-icons area.
Background service	Tray menu > Background Service Status / Repair reports that the service is running.
License popup	A 15-day trial status form appears after the first installation unless a full license is already active.
Settings	Tray menu > Settings opens without an error.
Windows printer	The configured profile printer is created after Settings is saved.
Test output	Test Selected Output or Send Test Page reaches the physical device.

Printer creation timing

Profile printers are created or repaired when Settings is saved because the profile name, Windows printer name and local receiver port come from the saved configuration.

Recommended first configuration sequence

1	Open Settings Right-click the tray icon and select Settings.
2	Review the default profile Rename the sample profile and confirm its Windows printer name and watch folder.
3	Edit the output printer Enter the real printer IP address or hostname and RAW port.
4	Send a test page Use Send Test Page or Test Selected Output before processing production work.
5	Save Settings Save applies printer setup and refreshes the background service. A tray notification confirms that the application is running.



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First launch and trial

What the user sees after installation

On first launch, the application starts a machine-bound 15-day trial and displays the Trial Active form. The same trial form appears whenever the tray application starts while the trial remains active.

Trial information	Behavior
Duration	15 calendar days
Print-job limit	Unlimited print jobs during the trial
Trial popup	Shown after installation and on tray application startup
Continue Trial	Closes the popup and continues normal operation
Request License	Opens the customer license-request form
Reinstall behavior	Uninstalling or reinstalling does not restart the trial

Requesting a license during the trial

Request License opens a form that collects customer details and the number of licenses required. The commercial request does not include the machine code. Machine binding occurs later, when each license key is activated on its computer.

- Company name, email and country are required.
- Contact name and phone can be included for follow-up.
- Number of Licenses accepts a quantity from 1 to 999.
- After successful submission, the trial remains active and the request status changes to Request Sent - Pending.

No duplicate request needed

When a request is pending, use Check License Status rather than submitting another request.



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Tray application and service

Understanding the two application components

RDS Print Interceptor uses a Windows background service for print capture and processing, plus a tray application for administration. Closing the Settings window does not stop print processing. Exiting the tray application removes the user interface, but the background service can continue running.

Tray menu

Menu command	Purpose
Settings	Create profiles, configure output printers, change routing rules and save configuration.
License Status	View trial or full-license status, request licenses and activate a license key.
Background Service Status / Repair	Check the Windows service and run repair actions when required.
View Log	Open the current processing log.
Export Support Logs	Create a diagnostic package for RDS support.
Check for Updates	Check the RDS update service for a newer version.
About	View product and version information.
Exit Tray App	Close the tray interface. This is not the same as stopping the service.

Tray notifications

- Installation complete - RDS Print Interceptor is running.
- Settings saved - RDS Print Interceptor is running.
- Settings saved and background service restarted - RDS Print Interceptor is running.
- Restart complete - RDS Print Interceptor is running.

Single instance

If the tray application is already running, a second launch is blocked and Windows asks the user to check the system tray or hidden-icons area.



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Profiles and input printers

Creating the Windows printers that users select

Each profile represents one complete input workflow. Saving a profile creates or repairs a matching Windows printer, assigns a unique local receiver port and uses the configured watch folder for captured PDFs.

Profile fields

Field	Description
Profile enabled	Controls whether the workflow is active.
Profile name	Friendly name shown in the profile list.
Windows printer name	Name displayed in Windows and in application print dialogs.
Watch folder	Folder where the captured PDF is placed for processing.
Local receiver	Read-only localhost address and port used by the RDS capture service.

Automatic naming

When you type a new Profile name, the Windows printer name and watch folder are filled automatically. The default folder format is C:\WATCHFOLDER\INPUT\<Profile Name>.

Add a profile

1	Select Add Profile A new profile is added to the profile list with a unique local receiver port.
2	Enter the profile name Use a name that users will recognize in the Windows print dialog, such as Invoice Printer or Delivery Notes.
3	Review generated fields Confirm the Windows printer name and watch folder. Change them only when required.
4	Configure outputs Add one or more physical output printers for this profile.
5	Save The application creates or repairs the Windows input printer and refreshes the service.

Delete a profile

Select the profile and choose Delete. Confirm the action. The matching RDS Windows printer is removed when the configuration is applied. At least one profile must remain.



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Profiles and input printers

Profile management and status

Profile status information

The Settings window shows the current background service state, whether Ghostscript is available and whether the selected local Windows printer exists. Use this status line before troubleshooting an output problem.

Enable or disable a profile

Clear Profile enabled when a workflow should remain configured but should not process new jobs. Re-enable it and save Settings when the workflow is required again.

Profile naming recommendations

Good name	Use case
Invoice Printer	Invoices routed according to page count
Delivery Notes	Documents sent to a warehouse printer
Accounts Archive	Accounting documents routed to a dedicated device
Customer Statements	Statements processed with their own page sequence

Avoid duplicate names

Use a unique Windows printer name for every profile. Duplicate or confusing names make it difficult for users to select the correct workflow.

Background service starts automatically with Windows

Keep this option enabled for production computers. The host computer must remain powered on, and Windows Print Spooler and the RDS service must be running whenever users need to print.



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Output printers

Configuring physical network destinations

A profile can send to one or more output printers. Add and edit outputs in the dedicated Output Printer form. The summary list in Settings is read-only to prevent accidental spreadsheet-style changes.

Destination fields

Field	Guidance
Output enabled	Clear this option to keep the output configured without sending jobs to it.
Output name	Friendly description, for example Accounts Copier or Warehouse Printer.
IP / Hostname	Network address that resolves from the RDS host computer.
RAW port	Normally 9100. Use the device configuration when a different port is required.
Pages to send	Page selection rule for this output.
Scale	50% to 150%. Use 100% for normal size.
Page order	Normal order, custom order or repetition after page selection.

Add an output printer

- 1 Select a profile**
Choose the profile that should route pages to the physical printer.
- 2 Click Add Output**
The Add Output Printer form opens.
- 3 Enter destination details**
Enter a clear name, the IP address or hostname and the RAW port.
- 4 Set page behavior**
Choose the page rule, scale and page order.
- 5 Send Test Page**
Confirm that the host can reach the destination and that the printer accepts the job.
- 6 Save Output**
Return to Settings, then save the complete application configuration.

Network recommendation

Use a static IP address or DHCP reservation for each physical printer. A changed printer address will stop RAW delivery until the output configuration is updated.



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Output printers

Testing, editing and deleting outputs

Test Selected Output

Use Test Selected Output from Settings or Send Test Page from the Output Printer form. A successful message confirms that data was sent to the configured IP address and port. It does not guarantee that every production PDF feature is supported by the device, so always complete a real application print test.

Edit an output

- Select the output and choose Edit Output, or double-click the output row.
- Update the destination, routing, scale or order as required.
- Choose Save Output, then save the main Settings window.

Delete an output

Select the output and choose Delete Output. Confirm the deletion. A profile must have at least one valid enabled output before it can deliver jobs.

Common output settings

Situation	Recommended setting
Normal single destination	Pages to send = All; Scale = 100; Page order = All
Slight clipping at device edge	Try Scale = 99 or 98
Printed image slightly too small	Try Scale = 101 or 102
Repeat selected pages	Use a page order such as 1,1,2,2
Temporarily stop one destination	Clear Output enabled

Scale carefully

Small adjustments are usually enough. Avoid large scale changes unless the physical printer requires them.



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Page routing, scale and order

Controlling what each output receives

Every output printer has an independent page rule. This allows one incoming document to be split across several destinations. Routing is applied first, then scale and page order are applied to the selected pages.

Pages to send

Rule type	Example	Result
All	All	Sends every page to the output.
Fixed range	1-4	Sends pages 1 through 4.
Remainder	5-end	Sends page 5 through the final page.
Conditional	6 pages: 1-4	Applies the selection only when the incoming PDF has 6 pages.
Multiple cases	3 pages: 1-2; 6 pages: 1-4	Uses the matching case for each total page count.

Set Pages form

- When PDF has total pages - the exact incoming document page count for the case.
- Send from page - first page delivered to this output.
- Send to page - final page number, or end for the final page.
- Quick: first part - creates sample cases for the first section of 3, 6, 9 and 12-page PDFs.
- Quick: remainder - creates matching sample cases for the remaining pages.

No matching case

When using conditional cases, test every expected document length. A rule that does not match the incoming total page count may select no pages for that output.

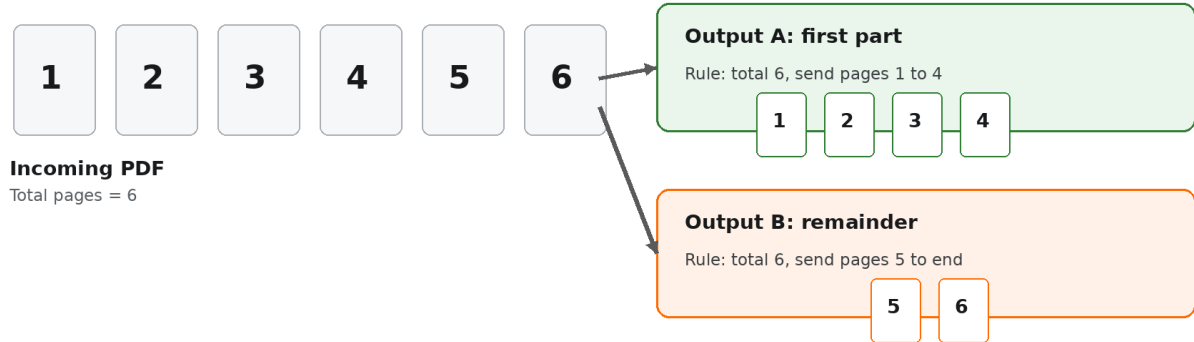


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Page routing, scale and order

Worked example

Conditional routing example: split a 6-page document



Each output has its own independent page rule. Use All when no split is required.

Figure 2 - Split a six-page PDF across two output printers

Page order

Page order is evaluated after the page rule selects the source pages. Use All or leave the normal value for standard printing. Use a comma-separated list when pages must be repeated or rearranged.

Page order	Meaning
All	Print all selected pages once in normal order.
1,2,3,4	Print the first four selected pages once.
1,1,2,2	Print two copies of selected page 1, then two copies of selected page 2.
4,3,2,1	Reverse the first four selected pages.

Selected-page numbering

Page order refers to the pages remaining after the Pages to send rule has been applied, not always to the original PDF page numbers. Test custom combinations carefully.



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Daily operation

Printing through an RDS profile

- | | |
|---|--|
| 1 | Open the source document
Use any Windows application that can print. |
| 2 | Choose Print
Open the normal application print dialog. |
| 3 | Select the RDS profile printer
Choose the Windows printer name configured in the required profile. |
| 4 | Submit the job
The application sends the job to the local RDS receiver. |
| 5 | Background processing
The service prepares a PDF, applies routing, scale and page order and delivers to each enabled output. |
| 6 | Confirm output
Collect the printed document from the physical destination printers. |

What must remain running

- The Windows computer hosting RDS Print Interceptor must remain powered on.
- Windows Print Spooler must be running.
- RDS_PrintInterceptor_Service must be running.
- The physical printer must be online and reachable on its configured RAW port.

Watch folders

Each profile has its own watch folder under C:\WATCHFOLDER\INPUT unless a different location was selected. The service monitors these folders and processes captured PDF files. Avoid manually changing or deleting files while they are being processed.

Tray app versus service

The tray app is used for administration. The Windows service performs the actual capture and routing work.



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Licensing

Trial, request, activation and validation

License request and activation workflow

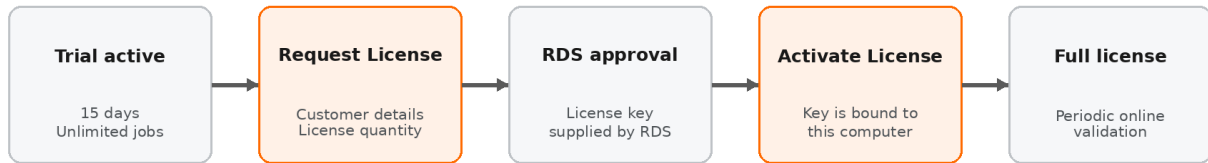


Figure 3 - License request and activation workflow

License Management form

Area	Purpose
Status card	Shows Trial Active, Full License Active or License Required.
Get a Full License	Opens the customer request form and displays pending request status.
License key	Accepts the key supplied by RDS for activation.
Technical Information	Displays machine code and copyable diagnostic information.
Check License Status	Refreshes license state from the server.
Remove Local License	Visible only when a full license is active.

Activate a supplied license key

1. Open License Status from the tray icon or Settings.
2. Paste the license key supplied by RDS.
3. Select Activate License.
4. Wait for confirmation that the full license is active.
5. Close the form and continue using the application.



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Licensing

Important license behavior

Machine binding

A full license is bound to the computer during activation. The application sends the machine identity automatically during activation and validation. The customer does not need to provide or type a machine code when requesting licenses.

Online validation and offline grace

Full licenses are validated through the RDS License API. After a successful validation, the application allows up to 7 days of offline grace. Restore Internet access before the grace period ends so the license can validate again.

Pending license requests

A Pending, Submitted or Received response does not replace or disable the active trial. The user can continue the trial until it expires and can use Check License Status to refresh the request or license state.

Remove Local License

Use this only when RDS instructs you to remove or replace a full license. Removing the local license does not restart a used trial.

Protect license keys

Do not publish or share a customer license key. Activate it only on the computer for which it was supplied.



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Software updates

Keeping RDS Print Interceptor current

The tray application performs an automatic background update check on startup and then limits normal online checks to once every 24 hours. Users can also check manually from the tray menu or Settings.

1	Check for updates Select Check for Updates from the tray icon or Settings.
2	Review the update The Update Available form shows the installed version, latest version and release notes.
3	Download and Install The signed installer is downloaded to a temporary RDS updates folder.
4	Approve elevation Windows requests Administrator permission to run the installer.
5	Automatic restart The update installs silently and restarts the tray application.
6	Confirm status A tray notification confirms that RDS Print Interceptor is running.

When an update fails

Message or symptom	Action
Update service endpoint is not available	Confirm Internet access and contact RDS if the service remains unavailable.
Download page cannot be found	The update record or public installer URL may be incorrect. Contact RDS.
SmartScreen warning	Confirm the publisher is REPRODATA SERVICES LIMITED and the file came from rds.com.cy.
Installer does not start	Run Check for Updates again with Administrator rights available.



12

Settings backup and security

Protecting and transferring configuration

Export Settings

Use Export Settings to save the current profile and output configuration to a file. Keep the exported file in a secure backup location, especially before major configuration changes or moving the application to another computer.

Import Settings

Use Import Settings to load a previously exported configuration. Review profile names, printer IP addresses, local paths and output rules before saving. Saving applies the imported printer setup and refreshes the service.

Lock Settings with password

1

Enable the option

Select Lock Settings with password.

2

Set a password

Choose Set / Change Password and enter the new password.

3

Save Settings

The lock is not active until the main Settings window is saved.

4

Future access

The application requests the password before opening protected Settings.

Password recovery

Store the Settings password securely. Contact RDS support when a protected configuration cannot be opened.

Configuration location

Runtime configuration and license files are stored under C:\ProgramData\RDS Print Interceptor. These files should normally be managed through the application rather than edited manually.



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Logs and support

Collecting information for diagnosis

Export Support Logs

Use Tray icon > Export Support Logs or Settings > Export Logs. The application creates a diagnostic package containing the available logs and configuration information required for support.

Important log locations

File	Purpose
C:\ProgramData\RDS Print Interceptor\watcher.log	Background processing and watch-folder activity.
C:\ProgramData\RDS Print Interceptor\rds-local-printer-setup.log	Windows printer and local receiver setup.
C:\ProgramData\RDS Print Interceptor\update-network.log	Update-service network diagnostics.
C:\ProgramData\RDS Print Interceptor\update-state.json	Records update-check timing.

Before contacting support

1. Record the application version shown in About.
2. Note the affected profile and output printer.
3. Confirm whether Send Test Page succeeds.
4. Export Support Logs immediately after reproducing the issue.
5. Include the exact error message and the time the problem occurred.

Support website

Product and company information is available at <https://rds.com.cy>. Provide the exported support-log package to your RDS representative.



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Troubleshooting

Common problems and first actions

Problem	Checks and corrective actions
RDS printer is missing	Open Settings, select the profile and Save. Confirm Administrator rights, Windows Print Spooler and Background Service Status / Repair.
Service is not running	Use Background Service Status / Repair. Restart the computer if Windows service repair cannot complete.
Settings Save fails	Export support logs, confirm Administrator rights and check rds-local-printer-setup.log.
No output is printed	Confirm output enabled, profile enabled, printer IP/hostname, RAW port and physical printer state.
Test page fails	Ping the printer, confirm port 9100 or the configured port and check firewall/network routing.
Wrong pages are printed	Review Pages to send and Page order for every enabled output. Test the exact incoming page count.
Printed content is clipped	Reduce Scale to 99 or 98 and test again.
Printed content is too small	Increase Scale to 101 or 102 and test again.

Do not change the working capture path casually

The local receiver, Windows printer driver and service configuration operate together. Use the application repair and Save functions instead of manually changing the RDS printer port.



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Troubleshooting

Licensing, updates and job processing

Problem	Checks and corrective actions
Trial popup appears every start	This is expected while the 15-day trial is active. Select Continue Trial or Request License.
License request remains pending	Use Check License Status. The trial remains available until expiry.
Activation fails	Confirm Internet access, re-enter the supplied key and ensure the key is intended for this product and computer.
Full license cannot validate	Restore HTTPS access. A previously validated full license has a limited offline grace period.
Update detected but download fails	Confirm the public installer URL works in a browser and contact RDS if the update endpoint or file is unavailable.
Job remains in Windows queue	Check Windows Print Spooler, the RDS service and the selected profile printer port.
PDF reaches watch folder but is not delivered	Check output enable state, page rules, IP/port and watcher.log.
Application says already running	Use the existing tray icon in the Windows hidden-icons area.

Safe recovery sequence

1	Export logs Capture the current diagnostic state before changing configuration.
2	Check service Use Background Service Status / Repair.
3	Review profile and output Confirm enabled states, addresses, port, page rule, scale and order.
4	Send test page Separate network/output problems from source-document problems.
5	Save Settings Allow the application to repair the local input printer and refresh the service.
6	Retry one simple document Use a small one-page PDF or document before testing complex routing.



15

Uninstall and limitations

Removing the application and understanding current scope

Normal uninstall

1. Open Windows Settings > Apps > Installed apps.
2. Select RDS Print Interceptor and choose Uninstall.
3. Approve the Administrator request and allow cleanup to finish.

The uninstaller removes the application, Windows service, RDS profile printers and local ports, ProgramData application files, startup entries, shortcuts and C:\WATCHFOLDER. The machine trial anchor is retained so reinstalling cannot restart a customer trial.

Back up first

Export Settings and copy any required documents from C:\WATCHFOLDER before uninstalling. The normal uninstaller removes that folder.

Current limitations

- Output destinations are network printers using RAW TCP/IP. USB-only direct destinations are not supported.
- Printer sharing is outside the supported application workflow.
- The host computer must stay powered on for continuous processing.
- Interactive print-time selection of duplex, colour/black-and-white and copies is not included in version 1.0.24.35. Use physical-printer defaults or profile/output configuration as applicable.
- Compatibility should be tested on devices that do not support direct PDF or the selected fallback print stream.



16

Quick reference

Essential paths, commands and responsibilities

Item	Reference
Product	RDS Print Interceptor
Product code	RDS_PRINT_INTERCEPTOR
Background service	RDS_PrintInterceptor_Service
Default watch-folder root	C:\WATCHFOLDER\INPUT
Application data	C:\ProgramData\RDS Print Interceptor
Default RAW output port	9100, unless the physical device uses another port
Trial	15 days, unlimited print jobs
Full-license offline grace	Up to 7 days after successful online validation
Update check	Automatic on startup, then limited to once per 24 hours; manual check available
Website	https://rds.com.cy

Recommended commissioning checklist

Done	Check
☐	Signed installer verified as REPRODATA SERVICES LIMITED
☐	Background service running
☐	Profile name and Windows printer name confirmed
☐	Watch folder confirmed
☐	Output printer IP/hostname and RAW port confirmed
☐	Send Test Page successful
☐	Page rules tested with expected document lengths
☐	Scale and page order tested
☐	Trial or full license status confirmed
☐	Settings exported as a backup

Ready for use

After the checklist is complete, users only need to select the correct RDS profile printer from their normal Windows print dialog.

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